FINAL REPORT

SPACE SHUTTLE MAIN ENGINE STRUCTURAL ANALYSIS AND DATA REDUCTION/EVALUATION

VOLUME 7: HIGH PRESSURE FUEL TURBO-PUMP THIRD STAGE IMPELLER ANALYSIS

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FOREWORD

This volume of the Final Report summarizes the analysis used to assess the structural life of the SSME High Pressure Fuel Turbo-Pump (HPFTP) Third Stage Impeller. A cyclic symmetrical section of the Third Stage Impeller was modeled with finite elements using DIAL. A three-phase analysis concluded that the impeller operates very near the upper limits of its capabilities at Full Power Level (FPL). This analysis was performed by Kirby V. Pool under Contract NASS-37282.

In addition, the following individuals contributed greatly to the analysis and the report:

David Catalano Robert Clark John Dickens Bruce Fong Edward Szeto Michael Walsh.

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INTRODUCTION AND OVERVIEW

The SSME High Pressure Fuel Turbo-Pump (HPFTP) is a three-stage turbine pump which pressurizes liquid hydrogen from an inlet pressure of 178 psi (nominally) to an outlet pressure of over 6000 psi. At Full Power Level (FPL) the impeller/turbine shaft rotates at over 37,000 rpm and the entire unit produces approximately 77,000 horsepower. Clearly, a turbine or impeller failure at this speed and power level could be catastrophic.

On one occasion in particular, an SSME ground test was prematurely terminated due to excessive vibration of an HPFTP (Refs. 1 and 2). Post-test investigation revealed the existence of a high cycle fatigue crack in the shroud of the First Stage Impeller. The crack apparently initiated at a sharp corner (the part was not properly manufactured) at the juncture of the vane and shroud of the impeller rim. As a result of this failure, Rocketdyne performed a structural dynamic test and analysis program which is documented in Reference 3. The conclusion of the Rocketdyne report was that "the stresses calculated in the analysis were not sufficient to cause a failure." This inability of analysis to predict the failure prompted further interest in the problem and eventually led to this current study.

The purpose of this analysis was to assess the structural life of the HPFTP Third Stage Impeller. Although the centrifugal loading will be the same for all three impellers (since they rotate on the same shaft and are very similar in size and shape), the Third Stage Impeller is of particular interest because it has the largest pressure loading. Because of this, it also has the largest amplitude forcing function of the three impellers.

This analysis was performed in three phases, all using the DIAL finite element code (Ref. 4). The first phase was a static stress analysis to determine the mean (non-varying) stress and static margin of safety for the part.

The loads involved were steady state pressure and centrifugal force due to spinning. The second phase of the analysis was a modal survey to determine the vibrational modes and natural frequencies of the impeller. The third phase was a dynamic response analysis to determine the alternating component of the stress due to time varying pressure impulses at the outlet (diffuser) side of the impeller.

The results of the three phases of the analysis show that the Third Stage Impeller operates very near the upper limits of its capability at FPL loading. The static loading alone creates stresses in some areas of the shroud which exceed the yield point of the material (Ti-5Al-2.5Sn ELI). Additional cyclic loading due to the dynamic force could lead to a significant reduction in the life of this part. The cyclic stresses determined in the dynamic response phase of this study are based on an assumption regarding the magnitude of the forcing function. Further studies should be done to better quantify the dynamic loading of the Third Stage Impeller.

2. FINITE ELEMENT MODEL DESCRIPTION

Figure 1 is a plot of the DIAL finite element model of one-sixth of the HPFTP Third Stage Impeller. Figure 2 is a color light source shaded plot of the model from a different perspective. This model was used for each of the three phases of the analysis discussed earlier. Table 1 identifies the components of the model and provides a breakdown of the number of nodes and elements in each component. In brief, the model contains a total of 1,168 parabolic (ZIB-20) elements, 7,068 nodes and 21,161 degrees of freedom (DOF). It should be noted that no attempt was made to model the fillets at the intersection of the vanes and the hub and shroud.

Table 1 NODE AND ELEMENT STATISTICS FOR HPFTP THIRD STAGE IMPELLER 3-D MODEL

Component	Drawing Number	Nodes	Elements
Impeller Hub	RS007556 (Sheets 8 to 13)	2481	408 solids
Impeller Shroud	RS007556 (Sheets 8 to 13)	2850	453 solids
Blades	RS007556 (Sheets 12,13)	385	82 solids
Hub Center	RS007556 (Sheets 8 to 13)	1352	225 solids
Constraint Elems for Symmetry BC's			1374 constraints
	TOTALS	7068 (21,161 DOF)	1168 solids 1374 cons

3. CYCLIC SYMMETRY BOUNDARY CONDITIONS

In order to provide a high level of detail and still maintain a workable size model, it was necessary to take advantage of the natural symmetry of the problem. Because of the complex nature of the geometry and the dynamic loading, it was necessary to use "cyclic symmetry" boundary conditions to achieve this.

This cyclic symmetric structure is one that comprises several identical segments attached together in a repetitive fashion. It is possible to take advantage of this repetitive nature and obtain an exact solution for the complete part by modeling only one segment and applying the appropriate boundary conditions. For the case of the HPFTP Third Stage Impeller, one 60° segment finite element model and four sets of boundary conditions were necessary to completely and accurately model the behavior of the full Impeller. For the purposes of this discussion, the common names given to these boundary conditions (as found in the literature) are the symmetric-symmetric, first degenerate, second degenerate, and antisymmetric-antisymmetric boundary conditions.

The primary benefit of cyclic symmetry is that the method allows the transformation of the full model into several smaller uncoupled models which are analyzed separately. This has two advantages. The first is that the number of degrees of freedom is smaller per symmetric component model and the bandwidth (average column height) is also greatly reduced. It is not uncommon for this reduction to result in an order of magnitude reduction in the computer cost of the analysis. The second advantage is that, for a particular loading, the results (displacements, stresses, etc.) have to be evaluated for only one physical segment since the one segment typifies the other segments. This can also result in computer analysis savings and most importantly a significant reduction in computer resources (disk space, I/O, etc.).

Had cyclic symmetry not been used in this analysis, the resulting model would have been approximately 120,000 DOF and could not have been analyzed with current computer resources. The three 40,000 DOF models, however, were manageable. (A more detailed description of the application of cyclic symmetry boundary conditions appears in Ref. 5).

4. EXTERNAL LOADING AND BOUNDARY CONDITIONS

The loading and boundary conditions were different for each phase of the analysis, and each will be addressed separately.

4.1 STATIC ANALYSIS

Because of the symmetry of the loading, the static analysis (with pressure and centrifugal forces) excited only the symmetric modes. The boundary conditions, therefore, reduced to the symmetric-symmetric case in which the displacements of the left edge of the model are tied directly to those of the right edge.

The loading for the static analysis was obtained from Gene Teal of LMSC's Huntsville Engineering Center (HEC) on 22 July 1988 (refer to Appendixes A and B). The FPL loads used were as follows:

Load Case 1 - An angular velocity of 37,342 rpm (3910.4 rps).

Load Case 2 - Distributed load on hub and on shroud (Figures 3 and 4).

Load Case 3 - 6000 psi pressure on top of shroud from the labyrinth seals to the Impeller rim and 4500 psi in the vicinity of the labyrinth seals (Figure 5).

- 5000 psi pressure on bottom of hub (Figure 6).

Load Case 4 - 100% torque (10971.2 ft-lb) to input shaft.

- 66.7% torque to output shaft (Figure 7).

Load Case 5 - Pressure on vanes to counteract remaining 33.3% torque (Figure 8).

4.2 MODAL ANALYSIS

The modal analysis involved a separate solution for each of the possible (symmetric, first degenerate, second degenerate and antisymmetric) boundary conditions. The only external boundary condition applied was to fix one end of the hub in the axial direction.

Modal Truncation (MT) vectors (to be discussed in more detail later) were added to the modal set to exactly represent the dynamic pressure loading that was applied in the dynamic response analysis.

In a separate modal analysis, loads due to spinning were applied to create a pre-stress in the impeller. This was done (using the symmetric-symmetric boundary condition only) to investigate the "spin stiffening" effect due to the high angular velocity (37,342 rpm).

4.3 DYNAMIC RESPONSE ANALYSIS

The loading used for the dynamic transient analysis was obtained from a Rocketdyne report (Ref. 3) on the HPFTP First Stage Impeller. This loading consisted of pressure impulses due to the impingement of fluid from the 15 inlet vane guides on the inlet side of the impeller vanes and the 13 diffuser vane guides on the outlet side of the impeller vanes. The pressure pulse was assumed to be triangular in shape and the magnitudes of the pulses were assumed to be the same for all vane guide positions (both on the inlet and outlet side of the impeller). It was discovered late in this analysis that there are only 13 inlet vane guides for the Third Stage Impeller. Since most of the concern in the past has been about the outer edges of the impeller, it was decided that attention would be focused in this region and the contribution to the stresses due to the inlet vane guides could be neglected (for a first estimate). Figure 9 shows the diffuser vane guide spatial loading used for the dynamic response analysis. Note that the pressure pulse loading varies with time so that the vanes shown in Figure 9 will not all experience the peak loading at the same time.

The magnitude of the pressure pulse has been the subject of much conjecture. The Rocketdyne report (Ref. 3, Figure 2-25) shows a peak delta pressure of 300 psi at the outer tip of the full vane, trailing off to some lower value at an unspecified distance inside the impeller rim. A NASA report (Ref. 1) presents pressure pulse magnitudes ranging from 215 psi to 633 psi at the rim of the impeller (depending on the gap width between the diffuser vanes

and the impeller rim), decreasing linearly to zero at 1.0 inch inside the impeller rim. This represents a total force per blade (assuming a blade width of 0.55 inch as in the drawings) of ~ 60 to ~ 175 lb. The value chosen for the peak pressure in this analysis was 100 psi over the outer two elements of the blades for a total force per blade of 44 lb. The pressure pulse was triangular in form with a rise time of 16.7% of the period. The results of this linear analysis can be scaled to any level of blade loading. For a different shape of pulse loading or a different spatial position on the vanes, the results of this analysis could also be scaled by the ratio of the loading impulse in one loading cycle as long as the new loading is not too different from the present analysis.

For a more detailed description of the time phasing of the loading, including damping and the transformation into cyclic symmetry components, refer to Appendixes C and D.

5. FINITE ELEMENT ANALYSIS RESULTS

5.1 STATIC STRUCTURAL ANALYSIS

Figure 10 is a deflected plot for the spin loading only. Figure 11 shows the deflected shape for the combined spin, pressure, and torque loading.

Figures 12 and 13 show the effective stress contours (in the hub and the shroud, respectively) due to the spin loading only. Note the regions of high stress in the vicinity of the vane-to-hub and vane-to-shroud intersections. These stresses are very close to yield for the material (147 ksi vs Sy = 154 ksi). One obvious reason for the high stresses is the stress concentration at the sharp corner. The presence of a fillet in the real part will certainly lower the stresses, but the extent can be determined only by additional analysis.

Figures 14 and 15 show the effective stress contours due to combined spin, pressure, and torque loading. The stress for this loading is well above ultimate (183 ksi vs Su = 163 ksi) in the vane/shroud intersection areas. This stress value is not accurate since it was computed assuming linear elastic material response. Figure 16 shows that the maximum effective strain for this linear analysis is 1.06%. The ultimate elongation for the material, according to the Rocketdyne Materials manual (Ref. 6), is on the order of 15%. The yielding in the vane fillet is extremely localized in the high stress concentration area of the fillet region. In reality (or in a nonlinear analysis), any yielding will allow the load to redistribute and therefore keep the plastic strain low and the margin of safety for the static load condition fairly high. It is likely, however, that the stresses in the vane fillet at FPL loading are near the yield point. This directly affects the fatigue life of the HPFTP Third Stage Impeller.

The color contour plots shown in Figures 17 and 18 show the areas of concern very clearly.

5.2 DYNAMIC MODAL ANALYSIS

All modes to 50,000 Hz were extracted from each of the symmetrical component models. Additionally, MT vectors were added to the symmetric-symmetric/antisymmetric-antisymmetric double model and to each of the degenerate component models to assure that any load not accounted for in the extracted modes would be included in the final analysis. The MT vectors were from a unit pressure field applied to the end of the full vane, the end of the first partial vane, and to the ends of each of the two second partial vanes. Therefore there were four MT vectors per half-model. The eight MT vectors for each of the degenerate models are the results of four loads on the cosine model vanes and four loads on the sine model vanes. The applied dynamic load can be exactly reproduced in the physical domain from the retained modes in the analysis (plus the MT vectors) and would exactly solve any of these loads statically.

The modal analysis results are shown in Tables 2 through 5, immediately following the text. There were 245 modes for the symmetric-symmetric and antisymmetric-antisymmetric combined model, 112 modes for the first degenerate model and 106 modes for the second degenerate model, for a total of 463 modes that were used in the dynamic response analysis.

The mass modal participation factors and the load participation factors (for the unit pressure loads used to create the MT vectors, load cases 27 through 34) are listed in Appendix E.

The lowest symmetric mode (at 1823 Hz) was not mentioned at all in the Rocketdyne report (Ref. 3) which was obtained prior to the beginning of this analysis. By animating this mode on a Megatek terminal, it was determined that this was a torsional (twisting shaft) mode. After close scrutiny of the

Rocketdyne STARDYNE model of the First Stage Impeller it became apparent that the shaft portion of the hub was not included in that model. This precluded Rocketdyne's discovery of any torsional mode.

Figures 19 to 22 are representative displacement contour plots for the lowest modes for each of the four boundary conditions (symmetric, first degenerate, second degenerate, and antisymmetric).

Figures 23 through 26 are some representative deflected modal shape plots. (Note: all displacements are relative, not absolute).

One additional run was made to ascertain the magnitude of any spin stiffening effect that might alter the actual natural frequencies when the impeller is operating. Table 6 can be compared with Table 2 (both are for the symmetric boundary condition case) to see that there is, at most, about a 5% increase in the natural frequency due to the effect of spinning at 37,342 rpm. The effect of fluid mass was not considered.

5.3 DYNAMIC RESPONSE ANALYSIS

5.3.1 Solution Method

Since the solution method is entirely a time domain method, there is no need to transform the time portion into the frequency domain and none of the problems of inadequate representation of the time domain loading in the frequency domain components. This time domain solution method with the MT vectors results in a complete representation of the applied dynamic loading. That is to say, the loading has not been truncated spatially nor in a time varying manner.

A complete derivation of the periodic time domain solution procedure is given in Reference 7. Essentially, the solution method consists of three steps. The first is to solve for the modal response over one period of the loading assuming zero initial conditions (displacement and velocity) at the

beginning of the period of loading. The second step is to solve for the initial displacement and velocity that, when added to the results of the first step, will result in the same displacement and velocity at the beginning of the analysis period as the displacement and velocity at the end of the loading period. The third step is to add the response to the initial displacement and velocity over the portion of loading to the response of the first step to give the final response of the structure.

The solution method is very efficient in the modal domain since the response at the end of the period of loading due to an initial displacement/ velocity can be written explicitly (within a scalar that is to be solved) for each mode. Each mode is solved for separately, and, after all the periodic responses are determined, the modal results can be transformed to any physical quantities desired (as in any other modal time history analysis).

The computer solution time required for this method is slightly larger than the effort required for a modal time history response over one period of the loading, and a little less than the effort required for a modal time history solution over two periods of the loading. This effort should be compared against the procedure of running the modal time history analysis until the solution has become periodic (the Rocketdyne analysis required from 1000 to 2400 loading periods of response time).

A FORTRAN program, Periodic Response Analysis (PRA) (refer to Appendixes F and G), was written to do the periodic solution automatically. The input to the program consists of the modal eigenvalues, modal damping, modal generalized loads, and number of output time steps. The output of PRA is the periodic generalized response for each mode over the period of the loading. Only a VAX double precision version of PRA was written, since the run times for PRA for all the modes retained were only on the order of 10 seconds for each cyclic symmetry model.

5.3.2 Analysis Procedure and Results

A transient, dynamic analysis involves a great deal more complexity in that the final solution must take into account the contributions of each vibrational mode (resulting from each type of cyclic symmetry boundary condition). Because of the complexity, it was decided that a small disk model would be run, using cyclic-symmetry boundary conditions, to work out the procedure for both the analysis and the post-processing. As a result of working with the small model, a method was developed to combine the contributions of each cyclic symmetry component into a single data base from which the physical quantities of displacements and stresses could be obtained for post-processing purposes. Additionally, a method was developed by Dr. John Dickens which solved the steady state solution for a periodic loading (the PRA code, discussed above).

Essentially the analysis process was completed in two steps. First, a periodic response analysis was done using the PRA code and the required inputs from the DIAL code modal analysis to determine the steady state response of the impeller due to the applied forcing function. This is done for each of the four cyclic symmetry models. Next, these modal or generalized displacements from each of the four cyclic symmetry models are combined, using the principles of cyclic symmetry, into physical displacements on a one-sixth impeller model. The data base for this model contains the physical displacements for each of the six identical segments as a function of time. From this data base the stresses and strains at any location and at any time can be obtained.

The location and timing of the worst case were determined by examination of the summary tables for each of the 73 time steps in the analysis. It was determined that the worst case effective stress in the impeller occurs near the impeller rim at the intersection of the full blade and the hub. Figure 27 is a highly magnified deflected plot of the first segment of the impeller at the worst case timing for the load. The dot on this figure represents the location of the highest stress found near the impeller rim. Figures 28 and 29 are graphs of the effective stress at that dot (node 2093) for segments 1 and 2, respectively.

It was sufficient that the displacements/stresses were evaluated only in the first physical segment since the results should be the same in all other physical segments except for a shift in time (of one-sixth cycle of the loading). However, to confirm the analysis procedure, the second physical segment displacements/stresses were also evaluated. Comparison of Figures 28 and 29 shows identical results except for the expected time phase of 0.02 second (12 time steps = 72/6). As can be seen from these figures, the maximum alternating stress for the loading used is only about 1500 psi. Figure 30, an effective stress contour plot of the inside surface of the hub, confirms this. Figure 31 shows that the maximum effective stress in the shroud is 1320 psi, and it also occurs at the impeller rim. Figures 32a and 32b are color contour plots of the effective stress which clearly show the areas of the highest stress.

It should be noted again that these stress numbers are based on an assumed peak pressure pulse magnitude of 100 psi. A higher peak would produce a proportionately higher stress. It should also be noted that the results presented here apply only to one particular pump speed (FPL loading - 37,342 rpm). The phasing of the forcing function would be different for different pump speeds and the results may be worse or better, depending on the excitability of any particular mode of vibration. It turns out that 37,342 rpm translates into a forcing frequency of 8091 Hz (with 13 diffuser vanes), which is very close to the fifth symmetric-symmetric mode which occurs at 8093 Hz (see Table 2). Comparison of the mode shape plot for this mode (Figure 23) with the deflected plot shown in Figure 27 shows some similarities. The large relative deflection of the labyrinth seal teeth is not realistic, as they will be restrained somewhat by their sealing action.

Other frequencies which could be examined in the future are pointed out in Table 7. Whereas all periods of loading should be examined, the worst possible periods of loading would probably occur at or near the pump speeds that are close to the frequencies listed in Table 7.

6. CONCLUSIONS AND RECOMMENDATIONS

The results of this analysis show that the HPFTP Third Stage Impeller is loaded to very near its ultimate capability. Static loading (centrifugal forces and pressures) tends to focus the high stresses in the hub and shroud inboard areas, towards the axis of rotation (as would be expected from the physics of the problem). Dynamic loading due to the interaction of the rotating vanes and the stationary diffuser vanes tends to stress the outer rim of the impeller (as is also expected). The combination of static and dynamic stresses suggests that fatigue is less and less important as one moves inboard from the rim. This may explain why impellers do not fail by fatigue on a more regular basis, given the high stresses in the interior of the impeller.

Dynamic loading due to the interaction of the rotating impeller vanes with the inlet guide vanes was not considered in this analysis because a previous analysis (Ref. 3) showed that the stresses produced were quite small. If the stresses are not small, this could lead to fatigue life problems in the interior regions of the impeller (where the static margin is low).

Although this analysis has been very rigorous, there are a few deficiencies which need to be addressed.

- 1. The largest source of error in this analysis is the uncertainty in the dynamic forcing function. There has been no definitive forcing function established to date (or at least none that has been identified as such).
- 2. This analysis is valid for FPL conditions. At different pump speeds, other modes may be excited which may give higher alternating stresses (albeit lower static stresses). It would be possible to run the analysis at other frequencies (Table 7) without a great effort.

- 3. Some improvements can be made to the model to include fillets at the vane intersections and some sensitivities could be examined with regard to the hub boundary conditions, but it is not likely that the results will change significantly.
- 4. This analysis, which predicts a near zero margin of safety in the shroud near the interior of the impeller, still does not predict the type of failure seen in the one First Stage Impeller during a ground test. The static stresses at the rim of the impeller are low (less than 60 ksi see Figures 15 and 18) and the alternating stress required to fail it would need to be tens of times higher than predicted to propagate a crack at the impeller rim.

7. REFERENCES

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Table 2 EIGENVALUE SUMMARY TABLE - SYMMETRIC-SYMMETRIC BOUNDARY CONDITIONS

Mode. No.	Seq. No.		Eigenvalue (Rad/sec)**2	Generalized Mass	•	Component of Freedom
	1 2 3 4 5 6 7 1 8	0.18226E+04 0.22494E+04 0.50758E+04 0.78944E+04 0.80931E+04 0.88315E+04 0.99319E+04 0.11834E+05	0.13115E+09 0.19976E+09 0.10171E+10 0.24604E+10 0.25857E+10 0.30792E+10 0.38942E+10 0.55291E+10	0.23655E-02 0.18720E-02 0.23574E-02 0.40676E-03 0.37524E-03 0.71296E-03 0.99351E-03 0.66701E-04	Node	5068 UX 166 UZ 1339 UZ 1751 UZ 1181 UZ 3768 UZ 690 UZ 3531 UX
9	9	0.13953E+05 0.14220E+05	0.76854E+10 0.79829E+10	0.23804E-02 0.29924E-03		5626 UY 1504 UZ
11 12 13 14 15 16 1 18 19 20	11 12 13 14 15 16 17 18 19 20	0.14453E+05 0.14870E+05 0.15549E+05 0.16447E+05 0.16983E+05 0.18092E+05 0.18377E+05 0.18966E+05 0.19982E+05 0.20119E+05	0.82467E+10 0.87292E+10 0.95447E+10 0.10680E+11 0.11387E+11 0.12922E+11 0.13333E+11 0.14201E+11 0.15764E+11 0.15980E+11	0.22122E-03 0.33261E-03 0.10115E-03 0.28039E-03 0.25415E-03 0.14907E-03 0.72536E-04 0.14036E-03 0.18956E-03 0.67996E-04		2027 UZ 394 UZ 3199 UX 753 UZ 5139 UX 1799 UZ 4006 UX 2744 UX 4345 UZ 3272 UZ
21 22 23 24 25 26 27 28 29 30	21 22 23 24 25 26 27 28 29 30	0.20229E+05 0.21074E+05 0.21386E+05 0.21441E+05 0.21771E+05 0.21850E+05 0.22123E+05 0.22460E+05 0.23537E+05 0.23852E+05	0.16155E+11 0.17533E+11 0.18055E+11 0.18149E+11 0.18712E+11 0.18847E+11 0.19321E+11 0.19914E+11 0.21871E+11 0.22459E+11	0.94755E-04 0.11093E-03 0.62843E-04 0.45748E-04 0.12807E-03 0.21134E-03 0.21542E-03 0.24089E-03 0.10817E-03 0.37487E-03		4536 UZ 3350 UZ 3349 UZ 2750 UZ 4014 UZ 2918 UZ 4346 UZ 4338 UZ 2739 UZ 4338 UZ
31 32 33 34 35 36 37 38 39 40	31 32 33 34 35 36 37 38 39 40	0.24154E+05 0.25214E+05 0.25885E+05 0.25971E+05 0.26163E+05 0.26461E+05 0.26999E+05 0.27822E+05 0.27865E+05	0.23032E+11 0.25098E+11 0.26451E+11 0.26629E+11 0.27023E+11 0.27642E+11 0.28778E+11 0.30560E+11 0.30654E+11	0.30043E-03 0.96523E-04 0.45215E-03 0.87812E-04 0.16159E-03 0.57532E-04 0.11725E-03 0.74359E-04 0.11669E-03 0.77802E-04		4145 UZ 4014 UZ 751 UZ 4608 UZ 4608 UZ 2748 UZ 3350 UZ 2750 UZ 3936 UZ 3350 UZ

Table 2 EIGENVALUE SUMMARY TABLE - SYMMETRIC-SYMMETRIC BOUNDARY CONDITIONS (Continued)

Mode	Seq.	Frequency	Eigenvalue	Generalized	Max Component
No.	No.		(Rad/sec) **2	Mass	Deg of Freedom
	+	+ 0.28567E+05	0.32218E+11	0.18561E-03	+ 3071 UZ
41 42	41 42	0.28656E+05	0.32218E+11 0.32419E+11	0.16501E-03	5438 UX I
42	42	0.29614E+05	0.34621E+11	0.53925E-04	5438 UX
44	44	0.29799E+05	0.35056E+11	0.11152E-03	5626 UZ
45	45	0.29958E+05	0.35432E+11	0.23633E-03	5366 UX
46	46	0.30215E+05	0.36042E+11	0.12351E-03	5525 UX
47	47	0.30719E+05	0.37253E+11	0.32290E-03	2752 UZ
48	48	0.30935E+05	0.37781E+11	0.76169E-04	5626 UZ
49	49	0.31166E+05	0.38347E+11	0.16213E-03	5626 UZ
50	50	0.31338E+05	0.38770E+11	0.18374E-03	5438 UX
51	+ 51	0.31997E+05	0.40418E+11	0.44262E-04	5357 UX
52	52	0.32150E+05	0.40805E+11	0.47969E-04	5438 UX
53	53	0.32374E+05	0.41376E+11	0.87426E-04	5438 UX
54	54	0.33012E+05	0.43024E+11	0.88612E-04	5357 UX
55	55	0.33131E+05	0.43333E+11	0.15511E-03	6930 UX
56	56	0.33286E+05	0.43740E+11	0.13445E-03	4010 UZ
57	57	0.33608E+05	0.44591E+11	0.94948E-04	5525 UX
58	58	0.33966E+05	0.45545E+11	0.17546E-03	4001 UZ
59	59	0.34008E+05	0.45659E+11	0.11914E-03	5453 UX
60	60	0.34288E+05	0.46413E+11	0.10149E-03	5357 UX
61	61	0.34697E+05	0.47528E+11	0.93722E-04	5296 UZ
62	62	0.35018E+05	0.48410E+11	0.83637E-04	3598 UZ
63	63	0.35527E+05	0.49828E+11	0.95728E-04	5525 UX
64	64	0.35831E+05	0.50686E+11	0.11573E-03	6966 UX
65	65	0.35988E+05	0.51130E+11	0.17170E-03	3348 UZ
66	66	0.36500E+05	0.52596E+11	0.17378E-03	2748 UZ
67	67	0.36650E+05	0.53027E+11	0.14258E-03	4612 UZ
68	68	0.36900E+05	0.53755E+11	0.11895E-03	5626 UZ 3184 UZ
69	69	0.37619E+05	0.55870E+11 0.55948E+11	0.42554E-04 0.76522E-04	3184 UZ 3184 UZ
70	70	0.37646E+05	U.55948E+11 +	+	3104 02
71	71	0.38141E+05	0.57432E+11	0.10098E-03	5044 UZ
72	72	0.38506E+05	0.58535E+11	0.46188E-04	5357 UX
73	73	0.38929E+05	0.59829E+11	0.10200E-03	5357 UX
74	74	0.39229E+05	0.60755E+11	0.17664E-03	5453 UX
75	75	0.39321E+05	0.61039E+11	0.35294E-04	5044 UZ
76	76	0.39532E+05	1 0.61697E+11	0.20368E-04	5525 UX
77	77	0.39648E+05	0.62060E+11	0.94315E-04	5525 UX 5525 UX
78	78	0.39859E+05	0.62719E+11	0.61475E-04 0.58306E-04	5525 UX 3603 UZ
79	79	0.40294E+05	0.64097E+11	•	2739 UZ
80	80	0.40682E+05	0.65337E+11	0.11646E-03	1 219A 07

Table 2 EIGENVALUE SUMMARY TABLE - SYMMETRIC-SYMMETRIC BOUNDARY CONDITIONS (Concluded)

-	Mode No.	Seq. No.		Eigenvalue (Rad/sec)**2	Generalized Mass	Max Component Deg. of Freedom
1	81	81	0.40948E+05	0.66194E+11	0.12629E-03	5525 UX
	82	82	0.40979E+05	0.66294E+11	0.12687E-03	2739 UZ
- [83	83	0.41199E+05	0.67010E+11	0.73769E-04	5357 UX
ļ	84	84	0.41341E+05	0.67473E+11	0.19728E-03	3516 UZ
ļ	85	85	0.41847E+05	0.69135E+11	0.13804E-03	5525 UX
- [86	86	0.42225E+05	0.70389E+11	0.12362E-03	5357 UX
- [87	87	0.42443E+05	0.71118E+11	0.26662E-04	5357 UX
	88	88	0.42588E+05	0.71603E+11	0.11306E-03	5357 UX
-	89	89	0.42874E+05	0.72567E+11	0.69895E-04	5357 UX 5534 UX
	90	90	0.43153E+05 	0.73517E+11 +	0.66326E-04 +	5534 UX
į	91	91	0.43192E+05	0.73649E+11	0.31830E-04	2739 UZ
ŀ	92	92	0.43415E+05	0.74411E+11	0.34940E-04	5366 UX
ļ	93	93	0.43651E+05	0.75222E+11	0.22249E-04	5525 UX
- !	94	94	0.43822E+05	0.75814E+11	0.38260E-04	3516 UZ
- !	95	95	0.43929E+05	0.76183E+11	0.13207E-03	5647 UX
.	96 07	96	0.44361E+05	0.77690E+11	0.11987E-03 0.37984E-04	2724 UZ 1 4860 UZ
- [97	97	0.44493E+05	0.78154E+11 0.79222E+11	0.37984E-04 0.16290E-03	4860 UZ 4180 UZ
- !	98	98	0.44796E+05 0.45006E+05	0.79222E+11 0.79963E+11	0.16290E-03 0.12760E-03	4180 UZ 4432 UZ
- [99 100	99 100	0.45138E+05	0.79903E+11 0.80435E+11	0.12760E-03	1143 UX
l		100 	0.45136L+05 	0.60433E+11 +	+	+
i	101	101	0.45250E+05	0.80833E+11	0.41388E-04	3782 UZ
1	102	102	0.45420E+05	0.81444E+11	0.76791E-04	4778 UZ
-	103	103	0.45703E+05	0.82461E+11	0.83173E-04	2003 UX
	104	104	0.46012E+05	0.83580E+11	0.10448E-03	5453 UX
- 1	105	105	0.46235E+05	0.84393E+11	0.65654E-04	5296 UZ
- 1	106	106	0.46365E+05	0.84869E+11	0.42200E-04	4180 UZ
	107	107	0.46585E+05	0.85676E+11	0.70959E-04	5534 UX
	108	108	0.46696E+05	0.86083E+11	0.32912E-04	3768 UZ
-	109	109	0.46830E+05	0.86579E+11	0.50468E-04	5534 UX
.	110	110	0.47124E+05	0.87670E+11	0.30983E-04	5366 UX
1	111	111	0.47516E+05	0.89134E+11	0.88321E-04	5647 UX
j	112	112	0.47820E+05	0.90276E+11	0.90826E-05	5366 UX
	113	113	0.48126E+05	0.91438E+11	0.27678E-04	4599 UZ
-	114	114	0.48413E+05	0.92529E+11	0.42714E-04	5453 UX
إ	115	115	0.48828E+05	0.94125E+11	0.15451E-04	5453 UX
إ	116	116	0.49073E+05	0.95068E+11	0.23261E-04	4594 UZ
ļ	117	1117	0.49386E+05	0.96286E+11	0.28385E-04	5004 UZ
- !	118	1118	0.49443E+05	0.96509E+11	0.10837E-04	5366 UX
-!	119	1119	0.49797E+05	0.97895E+11	0.14835E-04	5453 UX
	120	120	0.63480E+05	0.15908E+12	0.38099E-04	5360 UX
	121	121	0.65905E+05	0.17147E+12	0.41610E-04	5528 UX
j	122	122	0.67667E+05	0.18076E+12	0.40134E-04	5453 UX
j	123	123	0.69764E+05	0.19214E+12	0.74007E-04	5366 UX

Table 3 EIGENVALUE SUMMARY TABLE - FIRST DEGENERATE BOUNDARY CONDITIONS

Mode No.	Seq. No.		Eigenvalue (Rad/sec)**2	Generalized Mass		Compone of Free	
1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9	0.21088E+04 0.21088E+04 0.42067E+04 0.42067E+04 0.67035E+04 0.67035E+04 0.77456E+04 0.77456E+04 0.91158E+04	0.17556E+09 0.17556E+09 0.69864E+09 0.69864E+09 0.17740E+10 0.17740E+10 0.23685E+10 0.23685E+10 0.32806E+10	0.16134E-02 0.16134E-02 0.61548E-02 0.61548E-02 0.75562E-03 0.75562E-03 0.15060E-02 0.15060E-02 0.14893E-02	Node	8248 1180 12220 5152 1505 8573 2317 9385 10671 3603	UZ UZ UY UZ UZ UZ UZ UZ UZ UZ
11 12 13 14 15 16 17 18 19 20	11 12 13 14 15 16 17 18 19 20	0.92778E+04 0.92778E+04 0.10498E+05 0.10498E+05 0.11646E+05 0.11646E+05 0.13167E+05 0.13715E+05 0.13715E+05	0.33982E+10 0.33982E+10 0.43510E+10 0.43510E+10 0.53548E+10 0.53548E+10 0.68445E+10 0.68445E+10 0.74256E+10	0.57041E-03 0.57041E-03 0.45472E-03 0.45472E-03 0.94544E-04 0.94544E-04 0.77789E-03 0.77789E-03 0.75172E-03		9095 2027 3531 10599 3531 10599 8929 1861 1341 8409	UZ UX UX UX UX UZ UZ UZ UZ UZ
21 22 23 24 25 26 27 28 29 30	21 22 23 24 25 26 27 28 29 30	0.13966E+05 0.13966E+05 0.15804E+05 0.15804E+05 0.17349E+05 0.17349E+05 0.17723E+05 0.17723E+05 0.17944E+05	0.77002E+10 0.77002E+10 0.98600E+10 0.98600E+10 0.11882E+11 0.11882E+11 0.12401E+11 0.12401E+11 0.12712E+11	0.26428E-03 0.26428E-03 0.11319E-03 0.11319E-03 0.58935E-03 0.58935E-03 0.11086E-02 0.11086E-02 0.37410E-03 0.37410E-03		8573 1505 3322 10390 4006 11074 4536 11604 12206 5138	UZ UZ UZ UZ UX UX UZ UZ UZ UX
31 32 33 34 35 36 37 38 39 40	31 32 33 34 35 36 37 38 39 40	0.18361E+05 0.18361E+05 0.18688E+05 0.18688E+05 0.19046E+05 0.19046E+05 0.19612E+05 0.19612E+05 0.19948E+05 0.19948E+05	0.13309E+11 0.13309E+11 0.13788E+11 0.13788E+11 0.14322E+11 0.14322E+11 0.15184E+11 0.15709E+11 0.15709E+11	0.15633E-03 0.15633E-03 0.29600E-03 0.29600E-03 0.62169E-03 0.62169E-03 0.34660E-03 0.28366E-03 0.28366E-03		11081 4013 12205 5137 3797 10865 4006 11074 11410 4342	UZ UZ UX UX UX UX UX UX UX UZ UZ

Table 3 EIGENVALUE SUMMARY TABLE - FIRST DEGENERATE BOUNDARY CONDITIONS (Continued)

	Mode No.	Seq. No.		Eigenvalue (Rad/sec)**2	Generalized Mass	Max Deg	Component of Freedom
	41 42 43 44 45 46 47 48 49 50	41 42 43 44 45 46 47 48 49 50	0.20414E+05 0.20414E+05 0.20804E+05 0.20804E+05 0.21137E+05 0.21137E+05 0.21403E+05 0.21403E+05 0.22129E+05	0.16452E+11 0.16452E+11 0.17087E+11 0.17087E+11 0.17638E+11 0.17638E+11 0.18085E+11 0.18085E+11 0.19332E+11	0.61657E-04 0.61657E-04 0.46441E-04 0.46441E-04 0.16867E-03 0.16867E-03 0.52716E-04 0.52716E-04 0.20852E-03 0.20852E-03		11604 UZ 4536 UZ 10418 UZ 3350 UZ 11082 UZ 4014 UZ 2750 UZ 9818 UZ 3350 UZ 10418 UZ
	51 52 53 54 55 56 57 58 59 60	51 52 53 54 55 56 57 58 59 60	0.22658E+05 0.22658E+05 0.22967E+05 0.22967E+05 0.23156E+05 0.23156E+05 0.23571E+05 0.23571E+05 0.24230E+05	0.20267E+11 0.20267E+11 0.20824E+11 0.20824E+11 0.21168E+11 0.21168E+11 0.21933E+11 0.21933E+11 0.23178E+11	0.33407E-03 0.33407E-03 0.28867E-03 0.28867E-03 0.30185E-03 0.30185E-03 0.89045E-03 0.18683E-03 0.18683E-03		11074 UX 4006 UX 3797 UX 10865 UX 12378 UZ 5310 UZ 2748 UZ 9816 UZ 2734 UZ 9802 UZ
	61 62 63 64 65 66 67 68 69 70	61 62 63 64 65 66 67 68 69 70	0.24698E+05 0.24698E+05 0.24912E+05 0.24912E+05 0.26014E+05 0.26014E+05 0.26229E+05 0.26370E+05 0.26370E+05	0.24081E+11 0.24081E+11 0.24501E+11 0.24501E+11 0.26717E+11 0.26717E+11 0.27160E+11 0.27160E+11 0.27451E+11	0.19938E-03 0.19938E-03 0.16011E-03 0.16011E-03 0.11403E-03 0.11403E-03 0.62791E-04 0.62791E-04 0.35421E-03 0.35421E-03		10340 UZ 3272 UZ 11082 UZ 4014 UZ 11604 UZ 4536 UZ 10418 UZ 3350 UZ 10418 UZ 3350 UZ
	71 72 73 74 75 76 77 78 79 80	71 72 73 74 75 76 77 78 79 80	0.26738E+05 0.26738E+05 0.27155E+05 0.27155E+05 0.27737E+05 0.27737E+05 0.28018E+05 0.28018E+05 0.28237E+05	0.28224E+11 0.28224E+11 0.29111E+11 0.29111E+11 0.30372E+11 0.30372E+11 0.30991E+11 0.30991E+11 0.31478E+11	0.17451E-03 0.17451E-03 0.42658E-03 0.42658E-03 0.13612E-03 0.13612E-03 0.38798E-03 0.38798E-03 0.28213E-03 0.28213E-03		10340 UZ 3272 UZ 9743 UZ 2675 UZ 5626 UZ 12694 UZ 4012 UZ 11080 UZ 12506 UX 5438 UX

Table 3 EIGENVALUE SUMMARY TABLE - FIRST DEGENERATE BOUNDARY CONDITIONS (Concluded)

Mode No.	Seq. No.		Eigenvalue (Rad/sec)**2	Generalized Mass	Max Deg.	Compon	
81	81	0.28829E+05	0.32810E+11	0.28798E-03		12204	UX
82	82	0.28829E+05	0.32810E+11	0.28798E-03	1	5136	UX
83	83	0.29133E+05	0.33506E+11	0.12946E-03		12694	UZ
84	84	0.29133E+05	0.33506E+11	0.12946E-03		5626	UZ
85	85	0.29428E+05	0.34189E+11	0.22950E-03		11676	UZ
86	86	0.29428E+05	0.34189E+11	0.22950E-03	ļ	4608	UZ
87	87	0.29762E+05	0.34969E+11	0.44882E-03	1	11082	UZ
88	88	0.29762E+05	0.34969E+11	0.44882E-03	ļ.	4014	UZ
89	89	0.2 9995E+0 5	0.35518E+11	0.14462E-03		12506	UX
90	90	0.29995E+05	0.35518E+11	0.14462E-03		5438	UX
91	91	0.30107E+05	0.35785E+11	0.23542E-03		11082	UZ
92	92	0.30107E+05	0.35785E+11	0.23542E-03	i	4014	UZ
93	93	0.30493E+05	0.36708E+11	0.21538E-03	j	5626	UZ
94	94	0.30493E+05	0.36708E+11	0.21538E-03	i	12694	UZ
95	95	0.30862E+05	0.37601E+11	0.13503E-03	Ì	12694	UZ
96	96	0.30862E+05	0.37601E+11	0.13503E-03	1	5626	UΖ
97	97	0.31099E+05	0.38183E+11	0.85267E-04	į	12506	UX
98	98	0.31099E+05	0.38183E+11	0.85266E-04	İ	5438	UX
99	99	0.31272E+05	0.38607E+11	0.22345E-03	1	3516	UZ
100	100	0.31272E+05	0.38607E+11	0.22345E-03	İ	10584	UZ
101	+ 101	+ 0.31825E+05	1 0.39986E+11	0.11375E-03	+	5438	UX
102	102	0.31825E+05	0.39986E+11	0.11376E-03	i	12506	UX
103	103	0.31971E+05	0.40354E+11	0.74614E-04		5525	UX
104	104	0.31971E+05	0.40354E+11	0.74605E-04	i	12593	UX
105	105	0.43041E+05	0.73133E+11	0.54749E-04	i	5366	UX
106	106	0.43041E+05	0.73134E+11	0.54751E-04	i	12434	UX
107	107	0.44806E+05	0.79256E+11	0.71311E-04	1.	12696	UX
108	108	0.44806E+05	0.79256E+11	0.71318E-04	İ	5628	UX
109	109	0.45789E+05	0.82771E+11	0.27983E-04	İ	12521	UX
110	110	0.45789E+05	0.82771E+11	0.27977E-04	İ	5453	UX
1111	+ 111	+ 0.47749E+05	0.90009E+11	1 0.40885E-04	- + -	12434	UX
112	1112	0.47749E+05	0.90010E+11	0.40889E-04		5366	UX



Table 4 EIGENVALUE SUMMARY TABLE - SECOND DEGENERATE BOUNDARY CONDITIONS

			···		
Mode	Seq.	Frequency	Eigenvalue	Generalized	Max Component
No.	No.		(Rad/sec) **2	Mass	Deg. of Freedom
1 1	+ 1	0.26821E+04	1 0.28400E+09	+ 0.14242E-02	Node
2	2	0.26821E+04	0.28400E+09	0.14242E-02	7708 UZ
3	3	0.53898E+04	0.28468E+10	0.14242E-02	8931 UZ I
4	4	0.53898E+04	0.11468E+10	0.93958E-03	1863 UZ
5	5	0.76347E+04	0.23012E+10	0.95930E-03	10599 UX
6	6	0.76347E+04	0.23012E+10	0.16728E-02	3531 UX I
7	,	0.70547E+04	0.37565E+10	0.43556E-03	10410 UX
8	8	0.97547E+04	0.37565E+10	0.43556E-03	3342 UX I
9	9	0.10519E+05	0.43682E+10	0.43760E-03	9095 UZ I
10	10	0.10519E+05	0.43682E+10	0.43760E-03	2027 UZ I
	10 +	0.10319L+03 	† 0.43002E+10	+	-+
11	11	0.11037E+05	0.48088E+10	0.12470E-03	3342 UX
12	12	0.11037E+05	0.48088E+10	0.12470E-03	10410 UX
13	13	0.11920E+05	0.56093E+10	0.80870E-03	396 UZ
14	14	0.11920E+05	0.56093E+10	0.80870E-03	7464 UZ
15	15	0.12083E+05	0.57639E+10	0.90705E-03	3199 UX
16	16	0.12083E+05	0.57639E+10	0.90705E-03	10267 UX
17	17	0.12993E+05	0.66651E+10	0.31966E-03	395 UZ
18	18	0.12993E+05	0.66651E+10	0.31966E-03	7463 UZ
19	19	0.13376E+05	0.70635E+10	0.13673E-02	3199 UX
20	20	0.13376E+05	0.70635E+10	0.13673E-02	10267 UX
	+	+ 0.14957E+05	+	L O 04001E 02	1 10200 117
21	21 22	0.14957E+05 0.14957E+05	0.88319E+10	0.24981E-03 0.24981E-03	10390 UZ 3322 UZ
22	22	0.14957E+05 0.15395E+05	0.88319E+10 0.93570E+10	0.78289E-03	3322 UZ 233 UZ
23	23	0.15395E+05 0.15395E+05	0.93570E+10	1 0.78289E-03	7301 UZ I
25	25	0.16340E+05	0.10541E+11	0.78289E-03	3608 UX
25	26	0.16340E+05	0.10541E+11 0.10541E+11	0.17920E-03	10676 UX
27	27	0.17880E+05	0.12621E+11	0.23140E-03	2933 UX
28	28	0.17880E+05	0.12621E+11	0.23140E-03	10001 UX
29	29	0.18686E+05	0.13784E+11	0.14137E-03	11004 UZ
30	30	0.18686E+05	0.13784E+11	0.14137E-03	3936 UZ
	+	+	+	+	+
31	31	0.18777E+05	0.13919E+11	0.12827E-03	10418 UZ
32	32	0.18777E+05	0.13919E+11	0.12827E-03	3350 UZ
33	33	0.19240E+05	0.14615E+11	0.45894E-03	232 UZ
34	34	0.19240E+05	0.14615E+11	0.45894E-03	7300 UZ
35	35	0.19747E+05	0.15394E+11	0.42431E-03	4012 UZ
36	36	0.19747E+05	0.15394E+11	0.42431E-03	11080 UZ
37	37	0.20485E+05	0.16567E+11	0.95820E-04	11676 UZ
38	38	0.20485E+05	0.16567E+11	0.95820E-04	4608 UZ
39	39	0.20701E+05	0.16918E+11	0.85273E-04	2750 UZ
40	40	0.20701E+05	0.16918E+11	0.85273E-04	9818 UZ

Table 4 EIGENVALUE SUMMARY TABLE - SECOND DEGENERATE BOUNDARY CONDITIONS (Continued)

41	Mode	Seq.		Eigenvalue	Generalized	Max Component
42	No	N o.	Hertz	(Rad/sec) **2	Mass +	Deg. of Freedom
43	41	41	0.20938E+05	0.17307E+11	1	
44	42	42	0.2 0938 E+05	0.17307E+11	0.88255E-04	11004 UZ
45	43	43	0.21108E+05	0.17589E+11	0.25379E-03	11411 UZ
46	44	44	0.21108E+05	0.17589E+11	0.25379E-03	4343 UZ
47	45	45	0.21565E+05	0.18359E+11	0.32459E-03	10148 UZ
48	46	46	0.21565E+05	0.18359E+11	0.32459E-03	3080 UZ
49	i 47	47	0.22014E+05	0.19131E+11	0.31792E-03	4338 UZ
50	48	48	0.22014E+05	0.19131E+11	0.31792E-03	11406 UZ
50		•	0.22546E+05	0.20067E+11	0.20094E-03	2918 UZ i
52 52 0.23063E+05 0.20999E+11 0.11366E-03 10866			0.22546E+05	0.20067E+11	0.20094E-03	9986 UZ
52	51	51	0.23063E+05	0.20999E+11	0.11366E-03	3798 UX
53			I .			10866 UX
54	•		0.23566E+05	0.21925E+11	0.11538E-03	4536 UZ
55	•		I .	0.21925E+11	0.11538E-03	11604 UZ
56	,			0.22771E+11	0.29182E-03	2752 UZ
57	•	•		0.22771E+11	0.29182E-03	9820 UZ
58	J.		I .	0.23912E+11		i 3350 UZ
59		•	•	,		
60 60 0.24779E+05 0.24239E+11 0.10536E-03 3936 UZ 61 61 0.25125E+05 0.24922E+11 0.10426E-03 3350 UZ 62 62 0.25125E+05 0.24922E+11 0.10426E-03 3350 UZ 63 63 0.25531E+05 0.25734E+11 0.57633E-04 2750 UZ 64 64 0.25531E+05 0.25734E+11 0.57633E-04 9818 UZ 65 65 0.26049E+05 0.26789E+11 0.35336E-03 3348 UZ 66 66 0.26049E+05 0.26789E+11 0.35336E-03 10416 UZ 67 67 0.26532E+05 0.27791E+11 0.14668E-03 5626 UZ 68 68 0.26532E+05 0.27791E+11 0.14668E-03 12694 UZ 69 69 0.27513E+05 0.29883E+11 0.31081E-03 12204 UX 70 70 0.27513E+05 0.29883E+11 0.31081E-03 5136 UX 71 71 0.27952E+05 0.30845E+11 0.25271E-03 5438 UX 72 72 0.27952E+05 0.30845E+11 0.25271E-03 12506 UX 73 73 0.28010E+05 0.30974E+11 0.27584E-03 5438 UX 74 74 0.28010E+05 0.30974E+11 0.27584E-03 3000 UZ 76 76 0.28347E+05 0.31722E+11 0.40349E-03 3000 UZ 76 76 0.28347E+05 0.32819E+11 0.18525E-03 8930 UZ 78 78 0.28833E+05 0.32819E+11 0.18525E-03 8930 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ 70 70 70 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ 70 70 70 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ 70 70 70 70 70 70 70 7	7	•	•	· ·		
62 62 0.25125E+05 0.24922E+11 0.10426E-03 3350 UZ 63 63 0.25531E+05 0.25734E+11 0.57633E-04 2750 UZ 64 64 0.25531E+05 0.25734E+11 0.57633E-04 9818 UZ 65 65 0.26049E+05 0.26789E+11 0.35336E-03 3348 UZ 66 66 0.26049E+05 0.26789E+11 0.35336E-03 10416 UZ 67 67 0.26532E+05 0.27791E+11 0.14668E-03 5626 UZ 68 68 0.26532E+05 0.27791E+11 0.31081E-03 12694 UZ 69 69 0.27513E+05 0.29883E+11 0.31081E-03 12204 UX 70 70 0.27952E+05 0.30845E+11 0.25271E-03 5438 UX 72 72 0.27952E+05 0.30974E+11 0.27584E-03 5438 UX 74 74 0.28010E+05 0.30974E+11 0.27584E-03 12506	•		•	•		
62 62 0.25125E+05 0.24922E+11 0.10426E-03 3350 UZ 63 63 0.25531E+05 0.25734E+11 0.57633E-04 2750 UZ 64 64 0.25531E+05 0.25734E+11 0.57633E-04 9818 UZ 65 65 0.26049E+05 0.26789E+11 0.35336E-03 3348 UZ 66 66 0.26049E+05 0.26789E+11 0.35336E-03 10416 UZ 67 67 0.26532E+05 0.27791E+11 0.14668E-03 5626 UZ 68 68 0.26532E+05 0.27791E+11 0.31081E-03 12694 UZ 69 69 0.27513E+05 0.29883E+11 0.31081E-03 12204 UX 70 70 0.27952E+05 0.30845E+11 0.25271E-03 5438 UX 72 72 0.27952E+05 0.30974E+11 0.27584E-03 5438 UX 74 74 0.28010E+05 0.30974E+11 0.27584E-03 12506	61	+ 61	+ L 0 25125F+05	I 0 24922F+11	L 0.10426F-03	1 10418 UZ
63 63 0.25531E+05 0.25734E+11 0.57633E-04 2750 UZ 64 64 0.25531E+05 0.25734E+11 0.57633E-04 9818 UZ 65 65 0.26049E+05 0.26789E+11 0.35336E-03 3348 UZ 66 66 0.26049E+05 0.26789E+11 0.35336E-03 10416 UZ 67 67 0.26532E+05 0.27791E+11 0.14668E-03 5626 UZ 68 68 0.26532E+05 0.27791E+11 0.14668E-03 12694 UZ 69 69 0.27513E+05 0.29883E+11 0.31081E-03 12204 UX 70 70 0.27513E+05 0.29883E+11 0.31081E-03 5136 UX 71 71 0.27952E+05 0.30845E+11 0.25271E-03 12506 UX 73 73 0.28010E+05 0.30974E+11 0.27584E-03 12506 UX 74 74 0.28010E+05 0.30974E+11 0.27584E-03 12506 UX 75 75 0.28347E+05 0.31722E+11 0.40349E-03 3000 UZ 76 76 0.28347E+05 0.32819E+11 0.18525E-03 8930 UZ 78 78 0.28833E+05 0.32819E+11 0.18525E-03 1862 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ	•	•	I .	1	•	
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67 67 0.26532E+05 0.27791E+11 0.14668E-03 5626 UZ 68 68 0.26532E+05 0.27791E+11 0.14668E-03 12694 UZ 69 69 0.27513E+05 0.29883E+11 0.31081E-03 12204 UX 70 70 0.27513E+05 0.29883E+11 0.31081E-03 5136 UX 71 71 0.27952E+05 0.30845E+11 0.25271E-03 12506 UX 72 72 0.27952E+05 0.30845E+11 0.25271E-03 12506 UX 73 73 0.28010E+05 0.30974E+11 0.27584E-03 5438 UX 74 74 0.28010E+05 0.30974E+11 0.27584E-03 12506 UX 75 75 0.28347E+05 0.31722E+11 0.40349E-03 3000 UZ 76 76 0.28347E+05 0.32819E+11 0.18525E-03 8930 UZ 78 78 0.28833E+05 0.32819E+11 0.18525E-03 1862			•	,	•	
68	,	•	•	,	•	1
69 69 0.27513E+05 0.29883E+11 0.31081E-03 12204 UX 70 70 0.27513E+05 0.29883E+11 0.31081E-03 5136 UX 71 71 0.27952E+05 0.30845E+11 0.25271E-03 5438 UX 72 72 0.27952E+05 0.30845E+11 0.25271E-03 12506 UX 73 73 0.28010E+05 0.30974E+11 0.27584E-03 5438 UX 74 74 0.28010E+05 0.30974E+11 0.27584E-03 12506 UX 75 75 0.28347E+05 0.31722E+11 0.40349E-03 3000 UZ 76 76 0.28347E+05 0.31722E+11 0.40349E-03 10068 UZ 77 77 0.28833E+05 0.32819E+11 0.18525E-03 8930 UZ 78 78 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ	,					* * * * * * * * * * * * * * * * * * * *
70		1	•			
72 72 0.27952E+05 0.30845E+11 0.25271E-03 12506 UX 73 73 0.28010E+05 0.30974E+11 0.27584E-03 5438 UX 74 74 0.28010E+05 0.30974E+11 0.27584E-03 12506 UX 75 75 0.28347E+05 0.31722E+11 0.40349E-03 3000 UZ 76 76 0.28347E+05 0.31722E+11 0.40349E-03 10068 UZ 77 77 0.28833E+05 0.32819E+11 0.18525E-03 8930 UZ 78 78 0.28833E+05 0.32819E+11 0.18525E-03 1862 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ	•			•		5136 UX
72 72 0.27952E+05 0.30845E+11 0.25271E-03 12506 UX 73 73 0.28010E+05 0.30974E+11 0.27584E-03 5438 UX 74 74 0.28010E+05 0.30974E+11 0.27584E-03 12506 UX 75 75 0.28347E+05 0.31722E+11 0.40349E-03 3000 UZ 76 76 0.28347E+05 0.31722E+11 0.40349E-03 10068 UZ 77 77 0.28833E+05 0.32819E+11 0.18525E-03 8930 UZ 78 78 0.28833E+05 0.32819E+11 0.18525E-03 1862 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ	71	+ 71	+ 0.27952E+05	0.30845E+11	0.25271E-03	5438 UX
73 73 0.28010E+05 0.30974E+11 0.27584E-03 5438 UX 74 74 0.28010E+05 0.30974E+11 0.27584E-03 12506 UX 75 75 0.28347E+05 0.31722E+11 0.40349E-03 3000 UZ 76 76 0.28347E+05 0.31722E+11 0.40349E-03 10068 UZ 77 77 0.28833E+05 0.32819E+11 0.18525E-03 8930 UZ 78 78 0.28833E+05 0.32819E+11 0.18525E-03 1862 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ	•			•	• •	•
74 74 0.28010E+05 0.30974E+11 0.27584E-03 12506 UX 75 75 0.28347E+05 0.31722E+11 0.40349E-03 3000 UZ 76 76 0.28347E+05 0.31722E+11 0.40349E-03 10068 UZ 77 77 0.28833E+05 0.32819E+11 0.18525E-03 8930 UZ 78 78 0.28833E+05 0.32819E+11 0.18525E-03 1862 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ	1.		•	•	1	•
75 75 0.28347E+05 0.31722E+11 0.40349E-03 3000 UZ 76 76 0.28347E+05 0.31722E+11 0.40349E-03 10068 UZ 77 77 0.28833E+05 0.32819E+11 0.18525E-03 8930 UZ 78 78 0.28833E+05 0.32819E+11 0.18525E-03 1862 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ	•	•	,	,		•
76 76 0.28347E+05 0.31722E+11 0.40349E-03 10068 UZ 77 77 0.28833E+05 0.32819E+11 0.18525E-03 8930 UZ 78 78 0.28833E+05 0.32819E+11 0.18525E-03 1862 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ	,	,	,	U. C. C. C. C. C. C. C. C. C. C. C. C. C.		3000 UZ
77 77 0.28833E+05 0.32819E+11 0.18525E-03 8930 UZ 78 78 0.28833E+05 0.32819E+11 0.18525E-03 1862 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ	,	•	,	•	1	1
78 78 0.28833E+05 0.32819E+11 0.18525E-03 1862 UZ 79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ	,	•		•	i 0.18525E-03	8930 UZ
79 79 0.29172E+05 0.33596E+11 0.25161E-03 3348 UZ	•	,	1 -	•	r	
	•	•	1 -	· ·	,	
I am I am I adminimized I adminimize I adminimize An I was an am	80	80	0.29172E+05	0.33596E+11	0.25161E-03	10416 UZ

Table 4 EIGENVALUE SUMMARY TABLE - SECOND DEGENERATE BOUNDARY CONDITIONS (Concluded)

Mode No	Seq. No.	. , ,	Eigenvalue (Rad/sec)**2	Generalized Mass	Max Deg.		Component of Freedom	
81 82 83 84 85 86 87 88 89 90	81 82 83 84 85 86 87 88 89 90	0.29448E+05 0.29448E+05 0.29657E+05 0.29657E+05 0.29862E+05 0.29862E+05 0.30204E+05 0.30204E+05 0.30872E+05	0.34235E+11 0.34235E+11 0.34723E+11 0.34723E+11 0.35204E+11 0.35204E+11 0.36016E+11 0.37626E+11 0.37626E+11	0.16100E-03 0.16100E-03 0.23382E-03 0.23382E-03 0.16441E-03 0.16441E-03 0.31797E-03 0.31797E-03 0.15012E-03 0.15012E-03		5438 12506 231 7299 5357 12425 9986 2918 2749 9817	UX UZ UZ UX UX UZ UZ UZ UZ	
91 92 93 94 95 96 97 98 99	91 92 93 94 95 96 97 98 99 100	0.31022E+05 0.31022E+05 0.31129E+05 0.31129E+05 0.31572E+05 0.31572E+05 0.31928E+05 0.31928E+05 0.44206E+05	0.37992E+11 0.37992E+11 0.38255E+11 0.38255E+11 0.39352E+11 0.39352E+11 0.40243E+11 0.40243E+11 0.77147E+11	0.17736E-03 0.17734E-03 0.87263E-04 0.87263E-04 0.96413E-04 0.96412E-04 0.21365E-03 0.21373E-03 0.52939E-04 0.52937E-04		11933 4865 5438 12506 5525 12593 5438 12506 12602 5534	UZ UZ UX UX UX UX UX UX UX UX	
101 102 103 104 105 106	101 102 103 104 105 106	0.45811E+05 0.45811E+05 0.46366E+05 0.46366E+05 0.47784E+05 0.47784E+05	0.82850E+11 0.82851E+11 0.84872E+11 0.84873E+11 0.90141E+11 0.90141E+11	0.63014E-04 0.63016E-04 0.37867E-04 0.37866E-04 0.50646E-04 0.50644E-04	 	12434 5366 5453 12521 12434 5366	UX UX UX UX UX UX	

Table 5 EIGENVALUE SUMMARY TABLE - ANTISYMMETRIC-ANTISYMMETRIC BOUNDARY CONDITIONS

Mode No.	Seq. No.		Eigenvalue (Rad/sec)**2	Generalized Mass	Max Component Deg. of Freedom
1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	0.39458E+04 0.41008E+04 0.97279E+04 0.99459E+04 0.10640E+05 0.11784E+05 0.11827E+05 0.12576E+05 0.12852E+05 0.14375E+05	0.61464E+09 0.66389E+09 0.37359E+10 0.39052E+10 0.44690E+10 0.54824E+10 0.55225E+10 0.62436E+10 0.65213E+10 0.81577E+10	0.58723E-03 0.57382E-03 0.20327E-03 0.97860E-03 0.10869E-03 0.20615E-03 0.18295E-03 0.53503E-03 0.20125E-03	8345 UZ 7235 UZ 10599 UX 10212 UZ 10410 UX 7821 UZ 7463 UZ 10666 UZ 10400 UZ 10599 UX
11 12 13 14 15 16 17 18 19 20	11 12 13 14 15 16 17 18 19	0.14930E+05 0.16796E+05 0.16987E+05 0.17838E+05 0.18397E+05 0.18512E+05 0.18967E+05 0.19086E+05 0.20441E+05	0.87998E+10 0.11137E+11 0.11392E+11 0.12562E+11 0.13361E+11 0.13530E+11 0.14203E+11 0.14382E+11 0.16496E+11 0.17235E+11	0.51431E-03 0.53078E-03 0.68191E-03 0.30326E-03 0.42890E-03 0.45330E-03 0.48067E-04 0.59100E-04 0.17814E-03	11933 UZ 10410 UX 10676 UX 10267 UX 10676 UX 10340 UZ 11604 UZ 10418 UZ 11414 UZ 10144 UZ
21 22 23 24 25 26 27 28 29 30	21 22 23 24 25 26 27 28 29 30	0.21118E+05 0.21282E+05 0.21874E+05 0.22485E+05 0.23457E+05 0.23479E+05 0.24614E+05 0.24705E+05 0.24973E+05	0.17607E+11 0.17881E+11 0.18889E+11 0.19960E+11 0.21722E+11 0.21763E+11 0.23917E+11 0.24096E+11 0.24621E+11 0.25493E+11	0.28471E-03 0.16938E-03 0.13372E-03 0.71432E-04 0.36807E-04 0.36138E-04 0.46213E-04 0.48929E-04 0.64398E-04	8249 UZ 10152 UZ 11410 UZ 10865 UX 11082 UZ 9818 UZ 11604 UZ 10418 UZ 12694 UZ 9818 UZ
31 32 33 34 35 36 37 38 39 40	31 32 33 34 35 36 37 38 39 40	0.25846E+05 0.26270E+05 0.26737E+05 0.26787E+05 0.27352E+05 0.27974E+05 0.28168E+05 0.28635E+05 0.28948E+05 0.29516E+05	0.26373E+11 0.27244E+11 0.28222E+11 0.28327E+11 0.29534E+11 0.30893E+11 0.31325E+11 0.32372E+11 0.33081E+11 0.34393E+11	0.13621E-03 0.29711E-03 0.12729E-03 0.37062E-03 0.10999E-03 0.55532E-03 0.33603E-03 0.15107E-03 0.27357E-03 0.92719E-04	10865 UX 10212 UZ 11082 UZ 12506 UX 9986 UZ 10671 UZ 12593 UX 12506 UX 11248 UZ 12694 UZ

Table 5 EIGENVALUE SUMMARY TABLE - ANTISYMMETRIC-ANTISYMMETRIC BOUNDARY CONDITIONS (Continued)

Mode No.	Seq. No.	•	Eigenvalue (Rad/sec)**2	Generalized Mass	Max Deg.	Component of Freedom
 41 42 43 44 45 46 47 48 49 50	41 42 43 44 45 46 47 48 49 50	0.30042E+05 0.30206E+05 0.30751E+05 0.31018E+05 0.31219E+05 0.31453E+05 0.31666E+05 0.31860E+05 0.32268E+05	0.35629E+11 0.36019E+11 0.37332E+11 0.37982E+11 0.38477E+11 0.39056E+11 0.39588E+11 0.40072E+11 0.41105E+11 0.41257E+11	0.10940E-03 0.35431E-03 0.13219E-03 0.39344E-04 0.64976E-04 0.13406E-03 0.25325E-03 0.89416E-04 0.22791E-03 0.18897E-03		12593 UX 8408 UZ 10666 UZ 12506 UX 11933 UZ 12425 UX 12593 UX 11082 UZ 10584 UZ 12506 UX
51 52 53 54 55 56 57 58 59 60	51 52 53 54 55 56 57 58 59 60	0.32632E+05 0.32996E+05 0.33407E+05 0.33595E+05 0.33848E+05 0.34018E+05 0.34559E+05 0.35008E+05 0.35130E+05 0.35553E+05	0.42038E+11 0.42983E+11 0.44983E+11 0.44059E+11 0.44557E+11 0.45230E+11 0.45686E+11 0.47150E+11 0.48384E+11 0.48721E+11 0.49900E+11	0.18830E-03 0.15255E-03 0.61279E-04 0.30441E-04 0.12868E-03 0.84628E-04 0.99870E-04 0.65417E-04 0.27515E-03 0.20880E-03		10666 UZ 12593 UX 12593 UX 12593 UX 12425 UX 11933 UZ 12378 UZ 11676 UZ 10416 UZ 11074 UX 12199 UZ
61 62 63 64 65 66 67 68 69 70	61 62 63 64 65 66 67 68 69 70	0.36084E+05 0.36322E+05 0.36592E+05 0.36592E+05 0.37329E+05 0.37714E+05 0.37919E+05 0.38111E+05 0.38214E+05 0.38456E+05	0.51402E+11 0.52082E+11 0.52861E+11 0.54007E+11 0.55011E+11 0.56153E+11 0.56763E+11 0.57339E+11 0.57652E+11 0.58382E+11	0.26864E-03 0.97727E-04 0.48780E-04 0.14326E-03 0.42045E-04 0.16131E-03 0.15409E-03 0.89933E-04 0.28224E-03 0.58318E-04		12694 UZ 10252 UZ 10405 UZ 12593 UX 10405 UZ 12593 UX 11514 UZ 12425 UX 12434 UX
71 72 73 74 75 76 77 78 79 80	71 72 73 74 75 76 77 78 79 80	0.39003E+05 0.39212E+05 0.39212E+05 0.39753E+05 0.40009E+05 0.40276E+05 0.40416E+05 0.40576E+05 0.40680E+05 0.41291E+05	0.60057E+11 0.60701E+11 0.61429E+11 0.62386E+11 0.63193E+11 0.64041E+11 0.64485E+11 0.6499E+11 0.65332E+11 0.67309E+11	0.10054E-03 0.83075E-04 0.63603E-04 0.37125E-04 0.26641E-04 0.18806E-04 0.83200E-04 0.48774E-04 0.41614E-04		12204 UX 12434 UX 10584 UZ 12593 UX 12425 UX 12593 UX 12434 UX 12425 UX 12199 UZ 12425 UX

Table 5 EIGENVALUE SUMMARY TABLE -- ANTISYMMETRIC-ANTISYMMETRIC BOUNDARY CONDITIONS (Concluded)

_	. 							
	Mode	Seq.	Frequency	Eigenvalue	Generalized	l Max	Component	t l
	No.	No.		(Rad/sec) **2	Mass	Deg.		•
	01	+	+	+	+	+		
	81	81	0.41356E+05	0.67521E+11	0.61422E-04	!	9807 U	•
	82	82	0.41635E+05	0.68434E+11	0.38567E-04	!	10405 U	
.	83	83	0.42285E+05	0.70587E+11	0.60762E-04	!	11667 U	
	84	84	0.42435E+05	0.71091E+11	0.40220E-04	ļ	12434 UX	•
	85 86	85 86	0.43050E+05	0.73165E+11	0.69469E-04		11248 U	
	87	87	0.43260E+05 0.43683E+05	0.73881E+11	0.33787E-04	!	12593 U)	
	88	88	0.43083E+05	0.75333E+11 0.76713E+11	0.84909E-04	!	12602 U)	
ļ	89	89	0.44081E+05	0.76713E+11 0.77919E+11	0.99970E-04 0.82695E-04		12521 UX 12602 UX	
i	90	90	0.44705E+05	0.77919E+11 0.78899E+11	0.55472E-04	<u> </u>	12602 U) 12521 U)	
1		+	0.44703E+03	U.70099L+11	1 0.554726-04	[*	12521 0/	<u> </u>
í	91	91	0.44713E+05	0.78929E+11	0.13467E-03	i	13898 U	χİ
i	92	92	0.44839E+05	0.79374E+11	0.24738E-04	ĺ	12593 U	
i	93	93	0.44972E+05	0.79845E+11	0.86692E-04	i	12194 U	
i	94	94	0.45079E+05	0.80225E+11	0.45104E-04	i	12425 U	•
i	95	9 5	0.45373E+05	0.81275E+11	0.46547E-04	i	12715 U	
i	96	96	0.45492E+05	0.81700E+11	0.98490E-04	i	12521 U	
İ	97	97	0.45684E+05	0.82392E+11	0.25966E-04	i i	12425 U	
İ	98	98	0.45926E+05	0.83269E+11	0.34538E-04	İ	13995 UX	
Ì	99	99	0.45991E+05	0.83502E+11	0.22108E-04	İ	12593 U	хi
Ì	100	100	0.46113E+05	0.83949E+11	0.55428E-04	İ	13300 U	Χİ
ļ		+		+	+	+		!
ļ		101	0.46321E+05	0.84706E+11	0.18300E-04	ļ .	10850 U	
ļ	102	102	0.46449E+05	0.85175E+11	0.16114E-04	ļ ·	12434 U	
	103	103	0.46545E+05	0.85529E+11	0.24565E-04		12194 U	
!	104	104	0.46864E+05	0.86704E+11	0.19765E-04		11832 U	
ļ	105	105 106	0.47247E+05	0.88125E+11	0.48711E-04	!	12434 U)	
ļ	106 107	100	0.47477E+05 0.47597E+05	0.88988E+11 0.89438E+11	0.24344E-04		12521 UX 11335 UX	,
	108	107	0.47886E+05	0.89438E+11 0.90528E+11	0.18360E-03 0.55186E-04		11335 UZ 10068 UZ	•
1	109	109	0.48000E+05	0.90928E+11 0.90957E+11	0.33180E-04 0.39781E-04	!	12521 U	
ŀ		110	0.48156E+05	0.90557E+11 0.91552E+11	0.32736E-04	 	11933 U	•
l		1 1 0 	0.401302403	0.91552 <u>L</u> +11	1 0.32730L-04	 +	11933 0	- I
i	111	111	0.48383E+05	0.92414E+11	0.77723E-04	1	12434 U	χ¦
i		112	0.48627E+05	0.93352E+11	0.21434E-04	İ	11514 U	
i	113	113	0.48654E+05	0.93454E+11	0.83209E-04	i	12602 U	•
Í	114	114	0.48972E+05	0.94680E+11	0.45442E-04	İ	10656 UZ	
ĺ	115	115	0.49338E+05	0.96101E+11	0.43418E-04	İ	12434 U)	•
Ì	116	116	0.49510E+05	0.96772E+11	0.33842E-04	İ	12602 UX	
1	117	117	0.49778E+05	0.97823E+11	0.24032E-04	İ	12434 UX	Κį
1	118	118	0.49947E+05	0.98486E+11	0.23669E-04	l ,	12521 UX	Κİ
		119	0.65862E+05	0.17125E+12	0.60923E-04	1	12403 UX	(
ļ	120	120	0.67509E+05	0.17992E+12	0.55034E-04	t	12719 UX	(J
-	101	+ 101	0 60702F OF	0 100705 10	. 0 001775 04	+	40500 /*	<u> </u>
-		121	0.68783E+05	0.18678E+12	0.28177E-04		12509 UX	
1	122	122	0.69770E+05	0.19218E+12	0.30797E-04	Ì	12602 UX	(

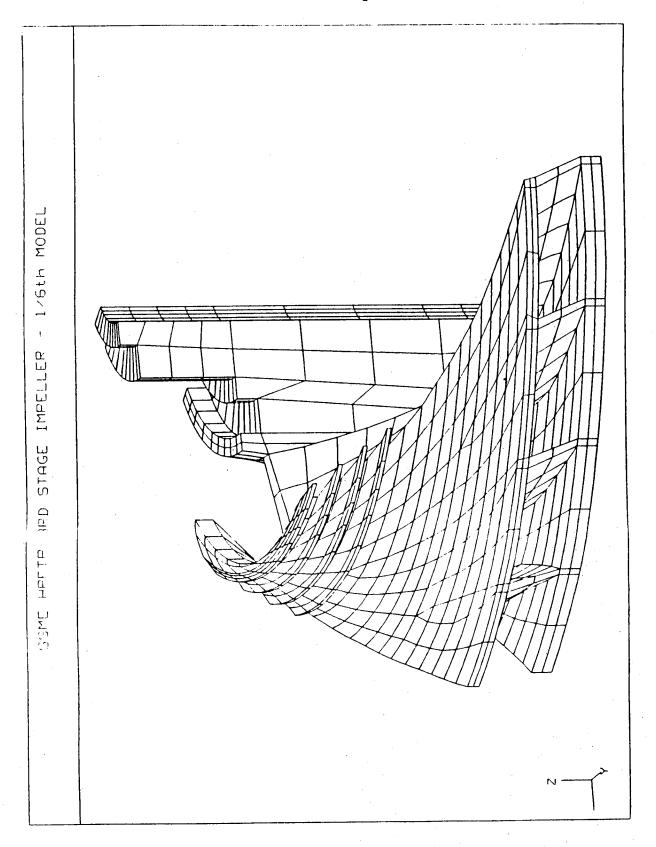
Table 6 EIGENVALUE SUMMARY TABLE - SYMMETRIC-SYMMETRIC BOUNDARY CONDITIONS WITH SPIN LOADING

Mode No.	Seq.		Eigenvalue (Rad/sec)**2	Generalized Mass	Max Component Deg. of Freedom
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1101 V2	• (Nady 300) ** E		+
1 1	1	0.19261E+04	0.14646E+09	0.23704E-02	Node 5068 UX
2	2	0.23002E+04	0.20888E+09	0.19367E-02	166 UZ
3	3	0.51527E+04	0.10482E+10	0.23030E-02	1339 UZ
1 4	4	0.81635E+04	0.26310E+10	0.40100E-03	1751 UZ
5	5	0.83532E+04	0.27547E+10	0.37095E-03	1181 UZ
i 6 i	6	0.89285E+04	0.31472E+10	0.72698E-03	3768 UZ
7	7	0.10059E+05	0.39943E+10	0.99653E-03	690 UZ
8	8	0.12009E+05	0.56939E+10	0.66132E-04	3531 UX
9	9	0.14016E+05	0.77553E+10	0.24323E-02	5626 UY
10	10	0.14356E+05	0.81361E+10	0.63608E-03	1340 UZ
		14700E.OF	t o 06240E.10	. 0 10400E 03	917 UZ
11	11	0.14789E+05	0.86349E+10 0.90848E+10	0.19488E-03 0.31747E-03	917 UZ 394 UZ
12	12	0.15170E+05	,		3199 UX
13	13	0.15736E+05	0.97759E+10	0.10483E-03	
14	14	0.16728E+05	0.11047E+11	0.27595E-03	753 UZ
15	15	0.17192E+05	0.11668E+11	0.24996E-03	5139 UX
16	16	0.18463E+05	0.13457E+11	0.14703E-03	1799 UZ
17	17	0.18599E+05	0.13656E+11	0.81184E-04	3797 UX
18	18	0.19176E+05	0.14516E+11	0.11111E-03	2744 UX
19	19	0.20184E+05	0.16084E+11	0.26307E-03	4346 UZ
20	20	0.20422E+05	0.16465E+11	0.11927E-03	3272 UZ
21	21	0.20540E+05	0.16656E+11	0.44844E-04	1 4536 UZ
22	22	0.21262E+05	0.17847E+11	0.27800E-03	3350 UZ
23	23	0.21643E+05	0.18493E+11	0.45818E-04	3350 UZ
24	24	0.21765E+05	0.18702E+11	0.43813E-04	2750 UZ
25	25	0.22019E+05	0.19141E+11	0.15988E-03	2739 UZ
26	26	0.22103E+05	0.19286E+11	0.10779E-03	3081 UZ
27	27	0.22288E+05	0.19611E+11	0.26284E-03	4346 UZ
28	28	0.22694E+05	0.20332E+11	0.24374E-03	4338 UZ
29	29	0.23729E+05	0.22229E+11	0.12147E-03	2739 UZ
30	30	0.24044E+05	0.22823E+11	0.27652E-03	4338 UZ
30	, 30 •	· 	+	+	+
31	31	0.24371E+05	0.23449E+11	0.30563E-03	4145 UZ
32	32	0.25520E+05	0.25711E+11	0.93843E-04	4014 UZ
33	33	0.26116E+05	0.26926E+11	0.43203E-03	751 UZ
34	34	0.26215E+05	0.27130E+11	0.10797E-03	4608 UZ
35	35	0.26438E+05	0.27595E+11	0.17020E-03	4608 UZ
36	36	0.26701E+05	0.28147E+11	0.56694E-04	2748 UZ
37	37	0.27225E+05	0.29262E+11	0.90582E-04	3350 UZ
38	38	0.28123E+05	0.31224E+11	0.14275E-03	5626 UZ
39	39	0.28176E+05	0.31341E+11	0.78579E-04	4014 UZ
40	40	0.28425E+05	0.31898E+11	0.74204E-04	3350 UZ
41	41	0.28805E+05	0.32755E+11	0.19013E-03	3071 UZ
42	42	0.28898E+05	0.32968E+11	0.13177E-03	5438 UX
43	43	0.29865E+05	0.35212E+11	0.57792E-04	5438 UX
44	44	0.30039E+05	0.35623E+11	0.11978E-03	5626 UZ
45	45	0.30113E+05	0.35798E+11	0.20995E-03	5366 UX
46	46	0.30483E+05	0.36683E+11	0.88942E-04	5525 UX
47	47	0.30863E+05	0.37605E+11	0.26916E-03	2752 UZ
48	48	0.31123E+05	0.38242E+11	0.68396E-04	5626 UZ
49	49	0.31313E+05	0.38708E+11	0.14362E-03	5626 UZ

Table 7 SUGGESTED FREQUENCIES FOR FURTHER EXAMINATIONS

	Power Level	•		1st Harmonic of Forcing Freq						
		•	35128	7611 Hz		-	(7,8) 7746	(5,6	7635	-
	104%	Ì	36106	7823	(4)	7894	- -		-	-
ļ		•	37342		(5)	8093	-		-	-

^{*} Mode numbers are in parentheses.



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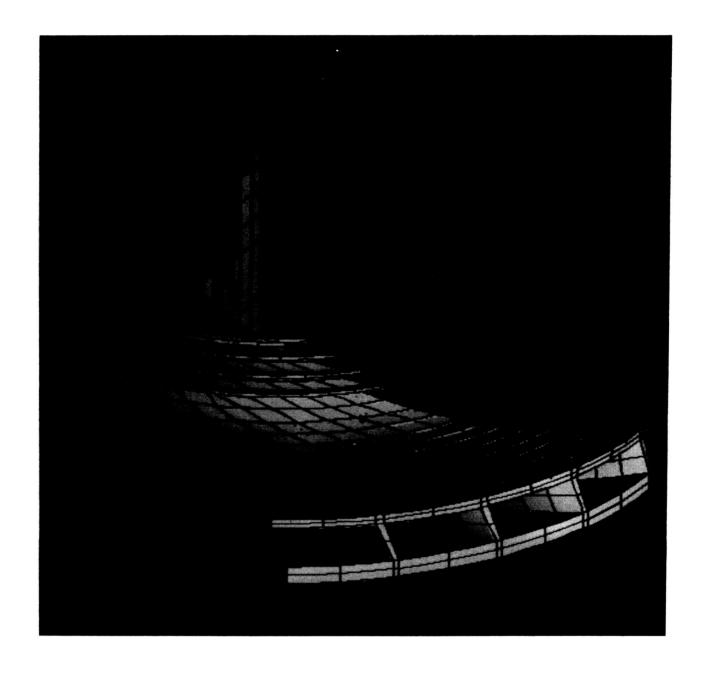
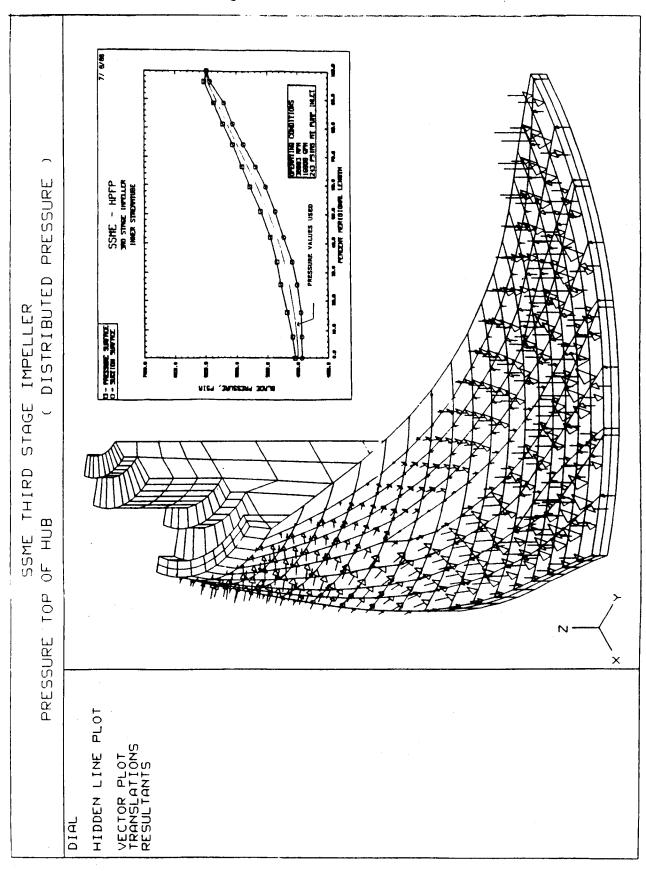
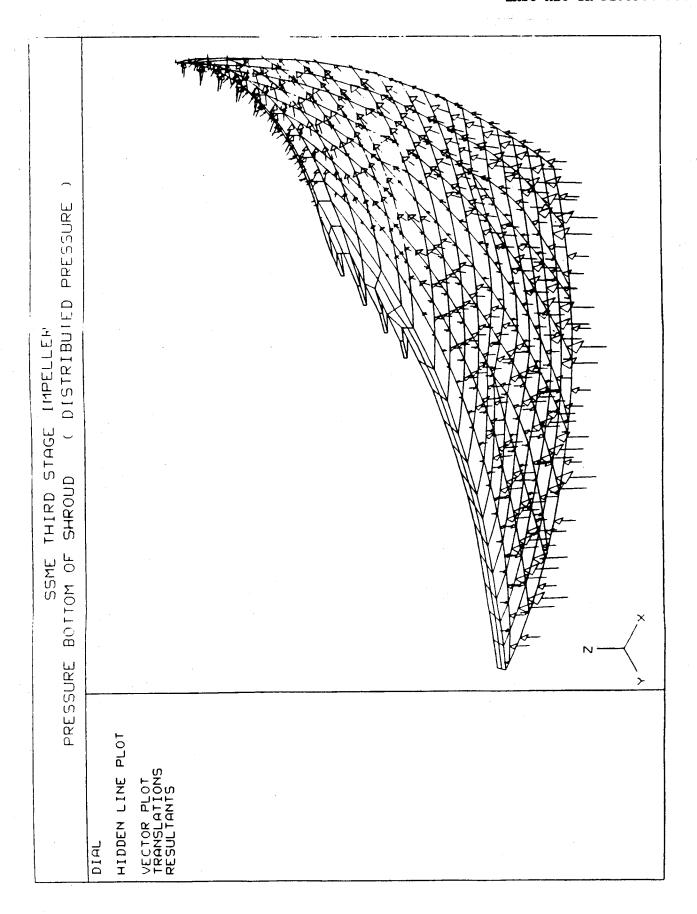


Figure 2 SSME HPFTP Third Stage Impeller - Light Source Shading Plot

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HPFTP Third Stage Impeller - Distributed Pressure Loading - Shroud Figure 4

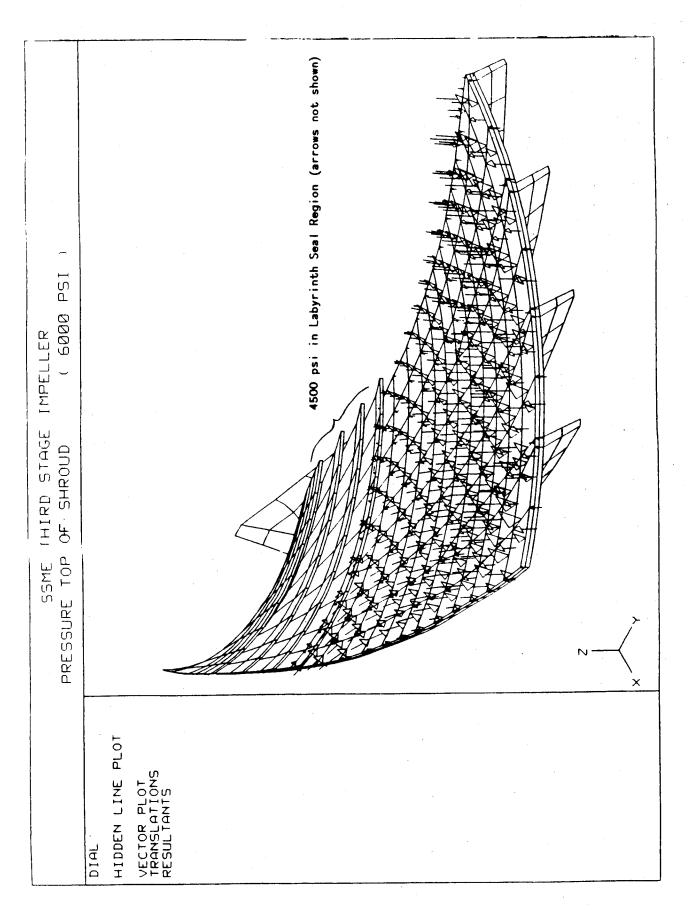


Figure 5 HPFTP Third Stage Impeller - 6000/4500 psi Pressure on Shroud

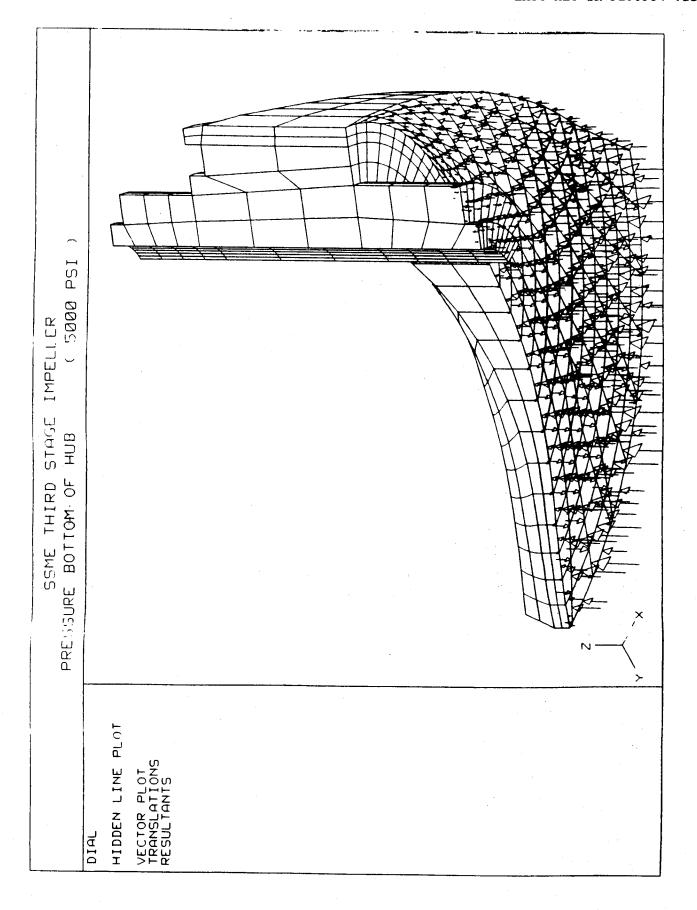


Figure 6 HPFTP Third Stage Impeller - 5000 psi Pressure on Hub

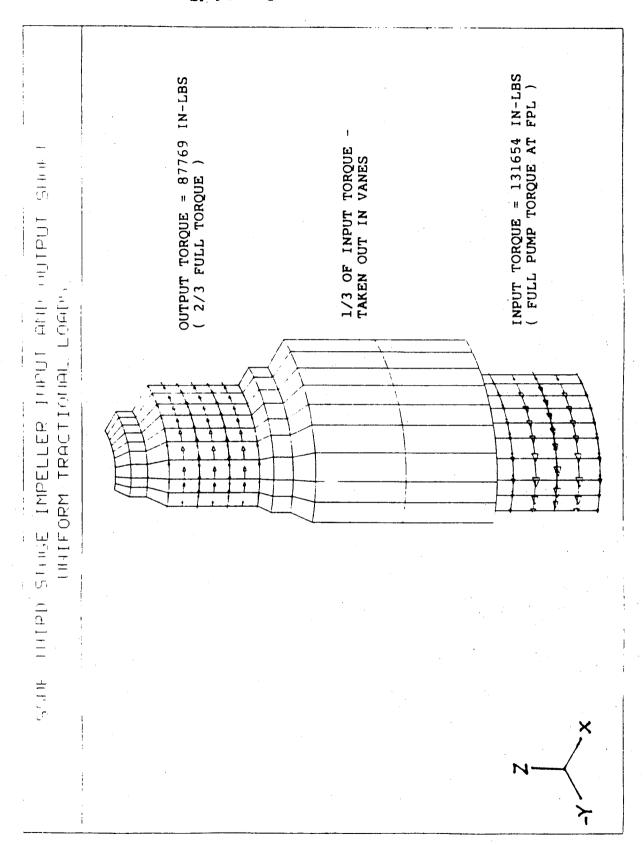
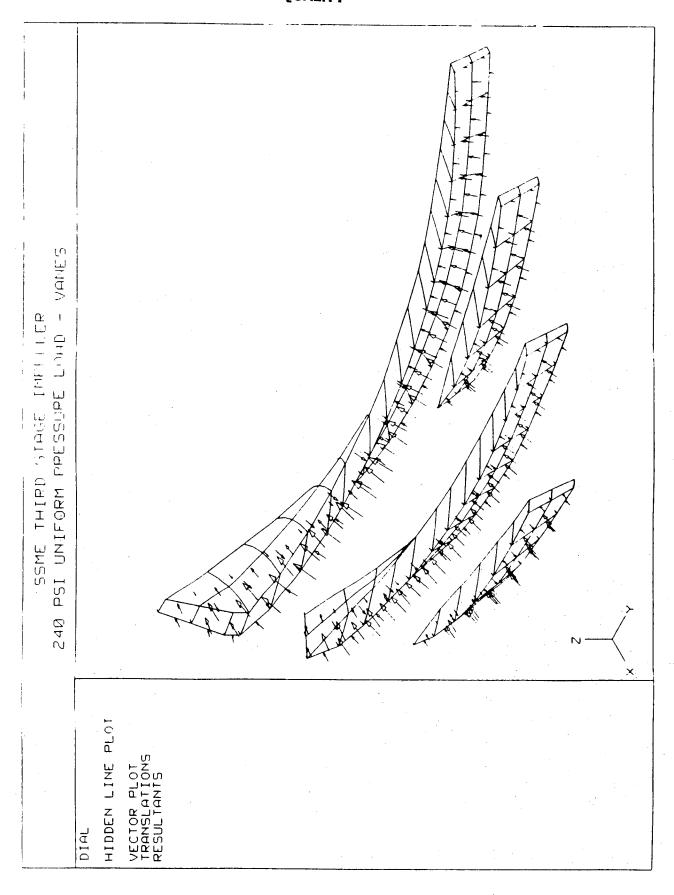


Figure 7 HPFTP Third Stage Impeller - Torque Loading on Shaft



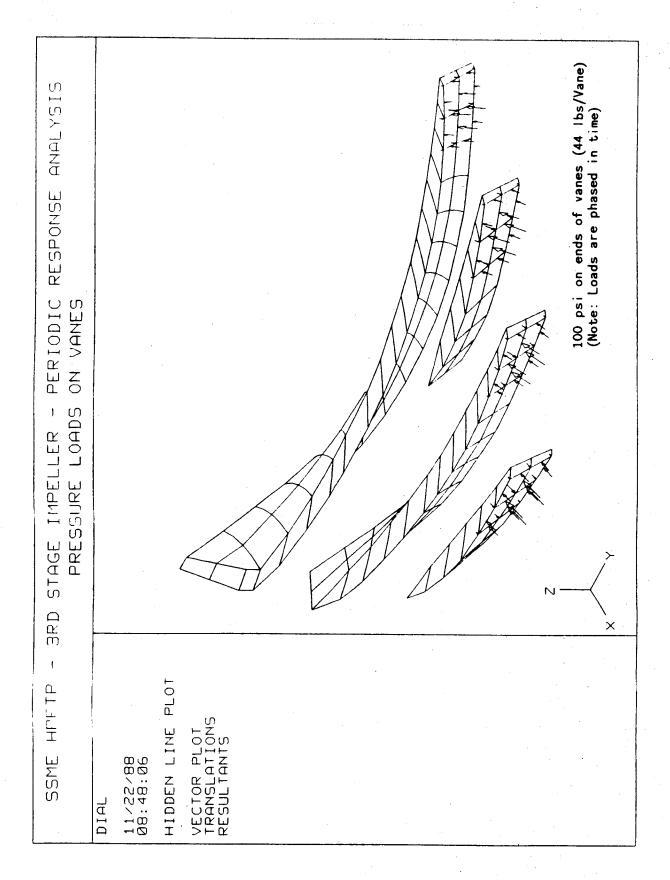
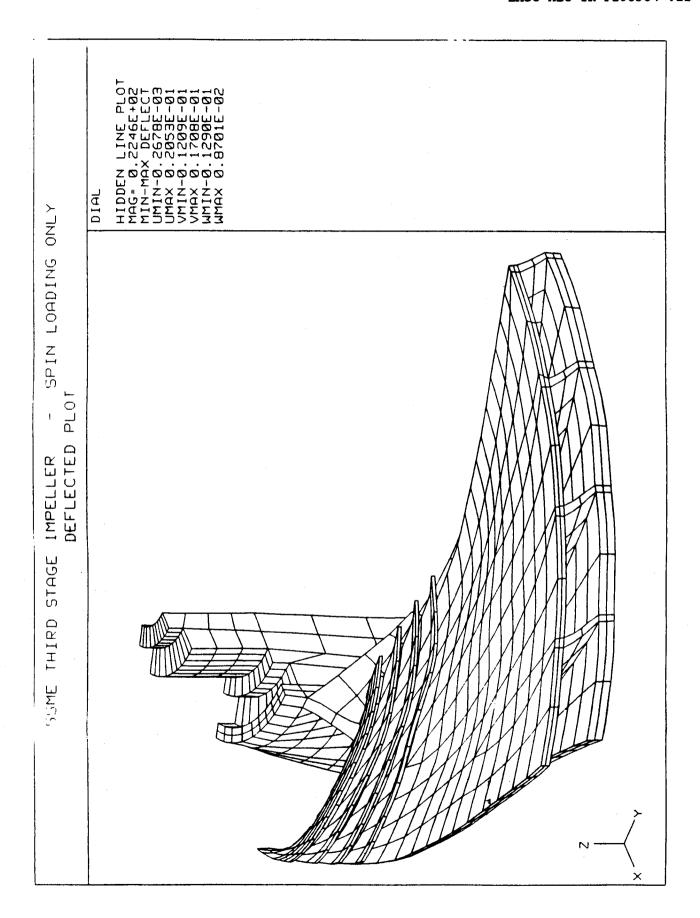
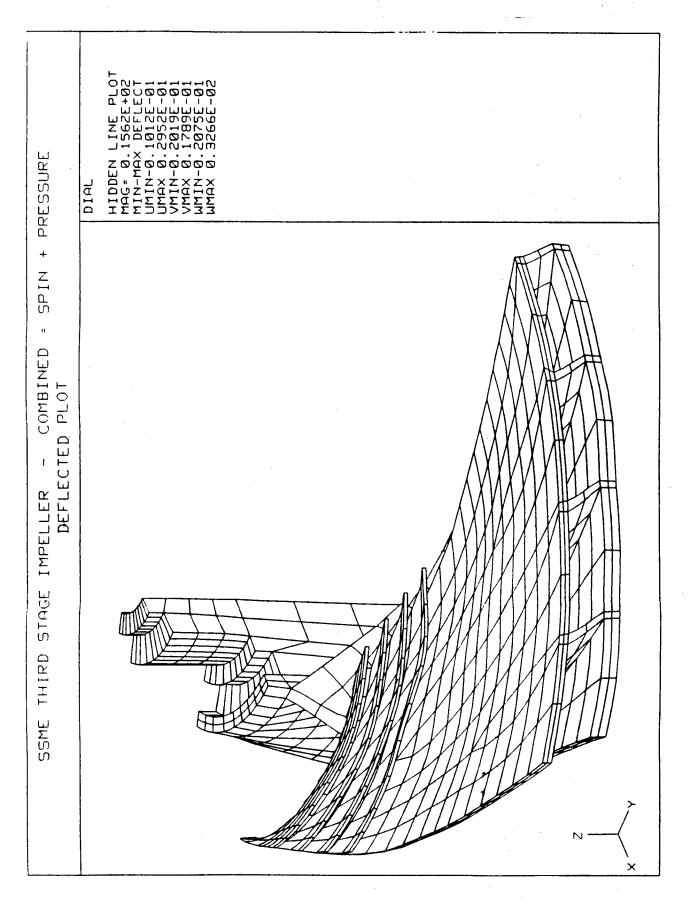
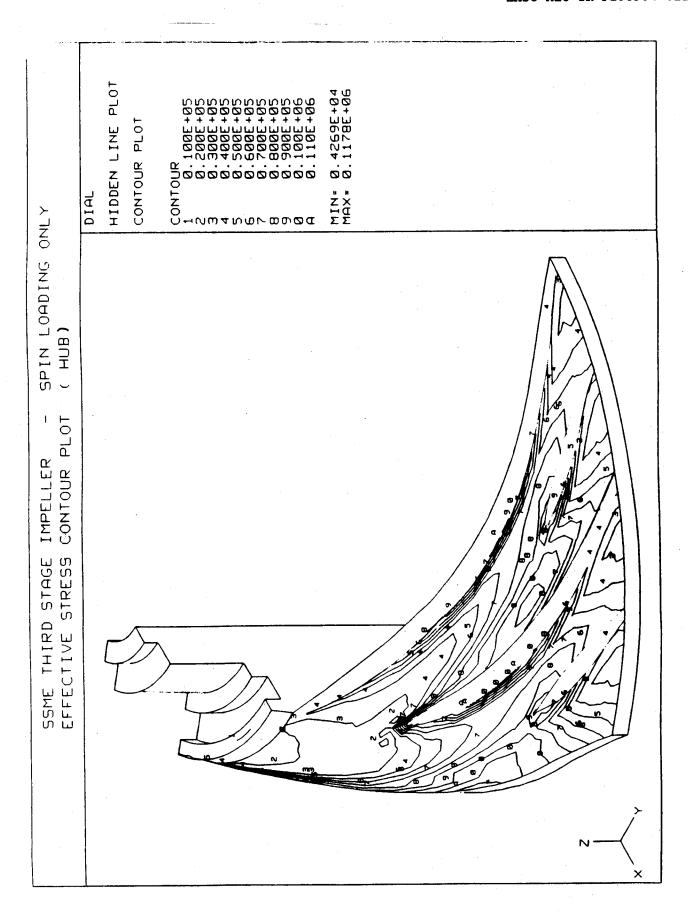


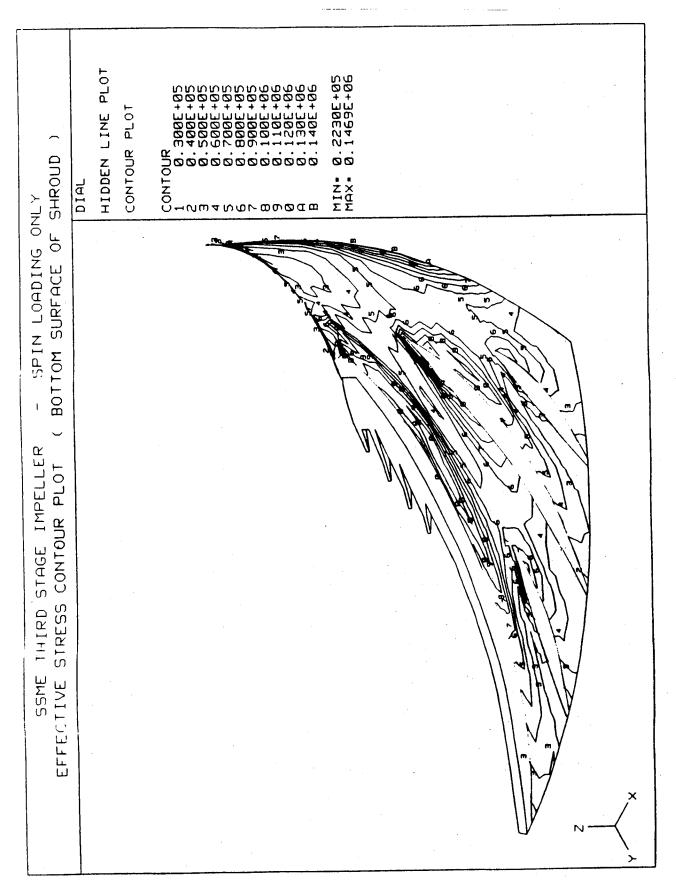
Figure 9 HPFTP Third Stage Impeller - Dynamic Spatial Loading on Vanes







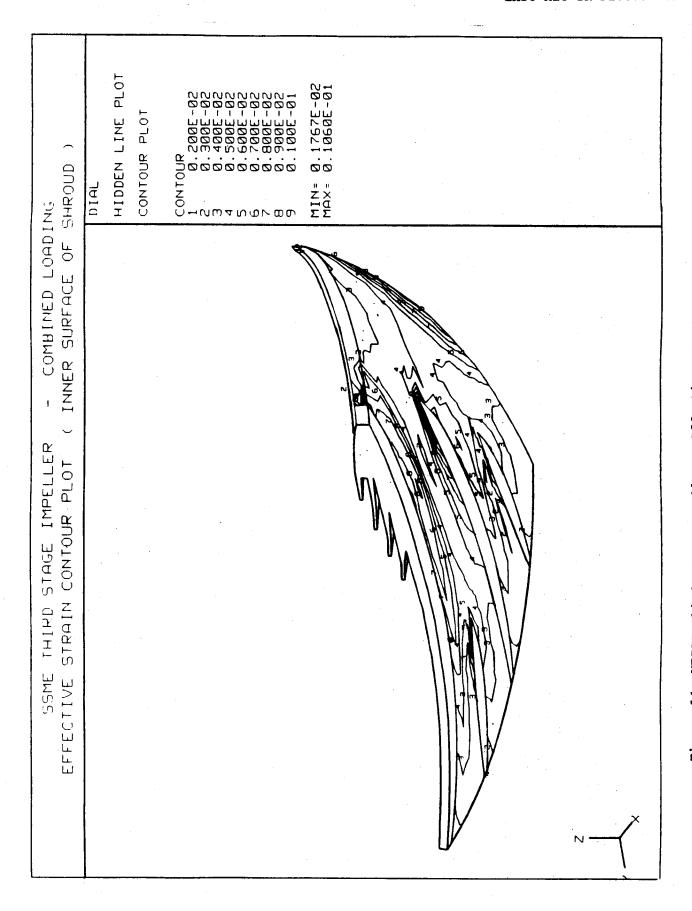
HPFTP Third Stage Impeller - Effective Stress Contour Plot Spin Loading Only - Hub Inside Surface Figure 12



HPFTP Third Stage Impeller - Effective Stress Contour Plot Spin Loading Only - Shroud Inside Surface Figure 13

HPFTP Third Stage Impeller - Rffective Stress Contour Plot Combined Loading - Hub Inside Surface Figure 14

HPFTP Third Stage Impeller - Effective Stress Contour Plot Combined Loading - Shroud Inside Surface Figure 15



HPFTP Third Stage Impeller - Effective Strain Contour Plot Combined Loading - Shroud Inside Surface Figure 16

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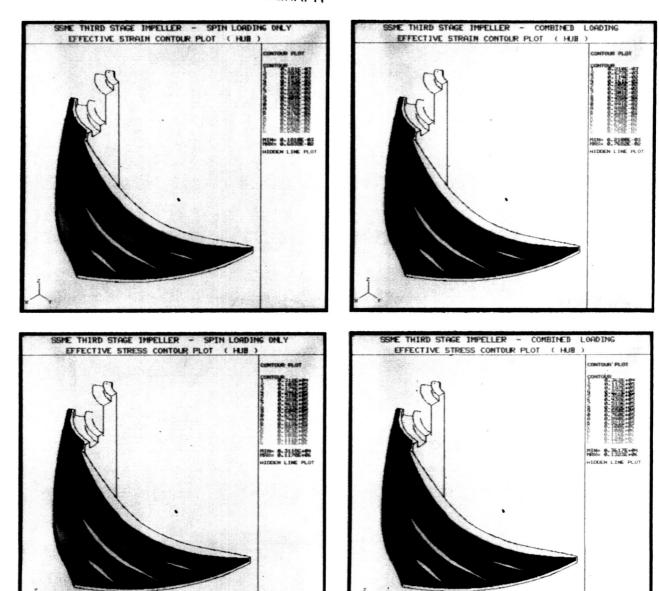


Figure 17 HPFTP Third Stage Impeller - Color Stress/Strain Contour Plots - Hub Inside Surface

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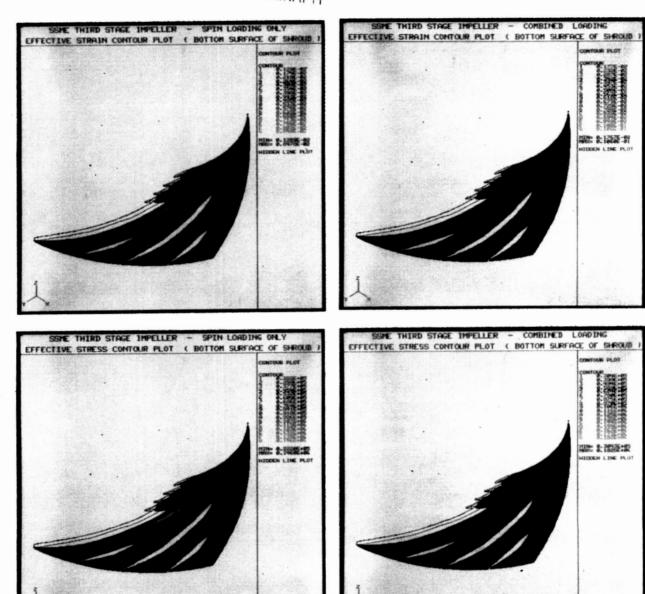
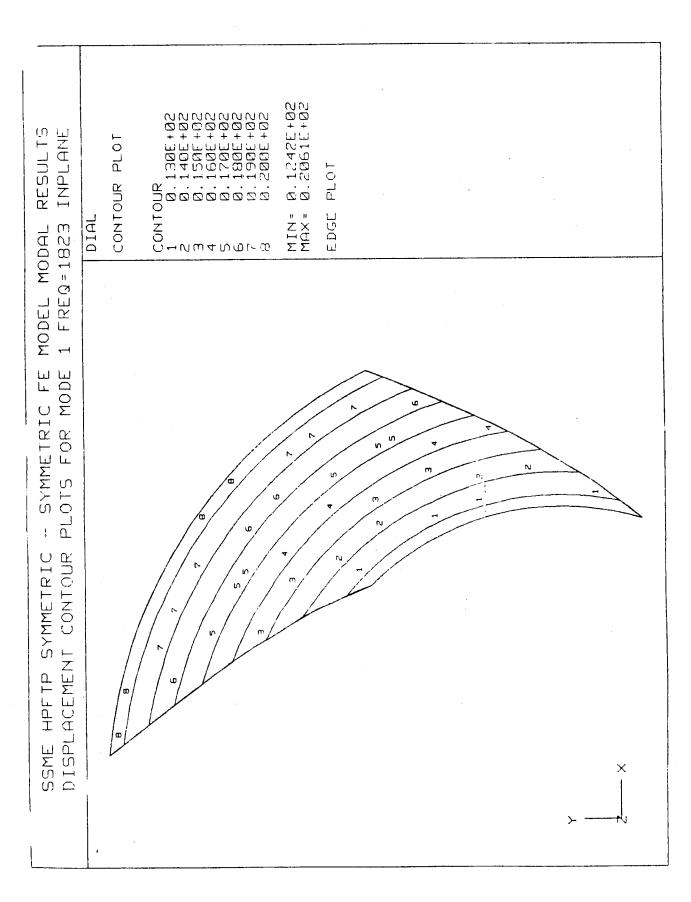
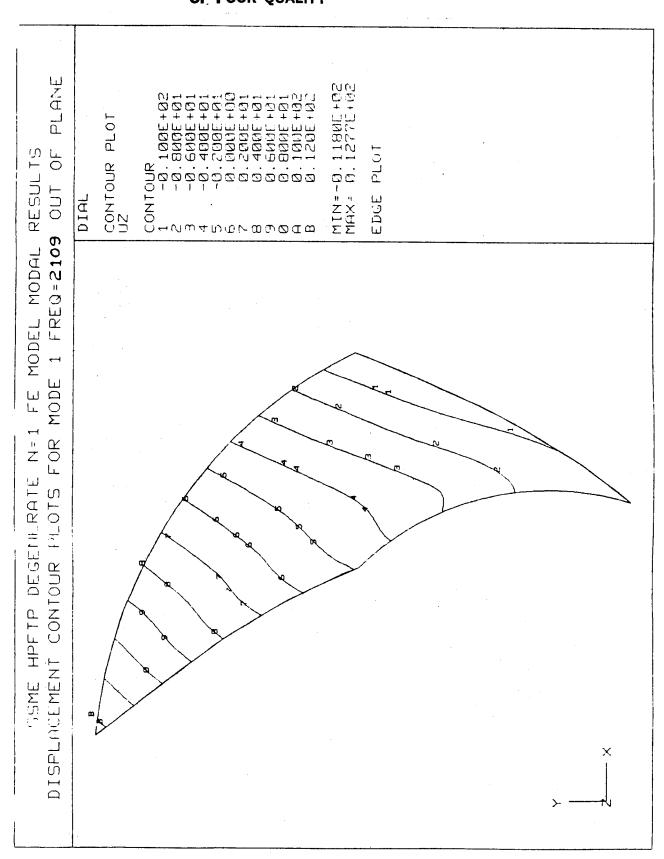


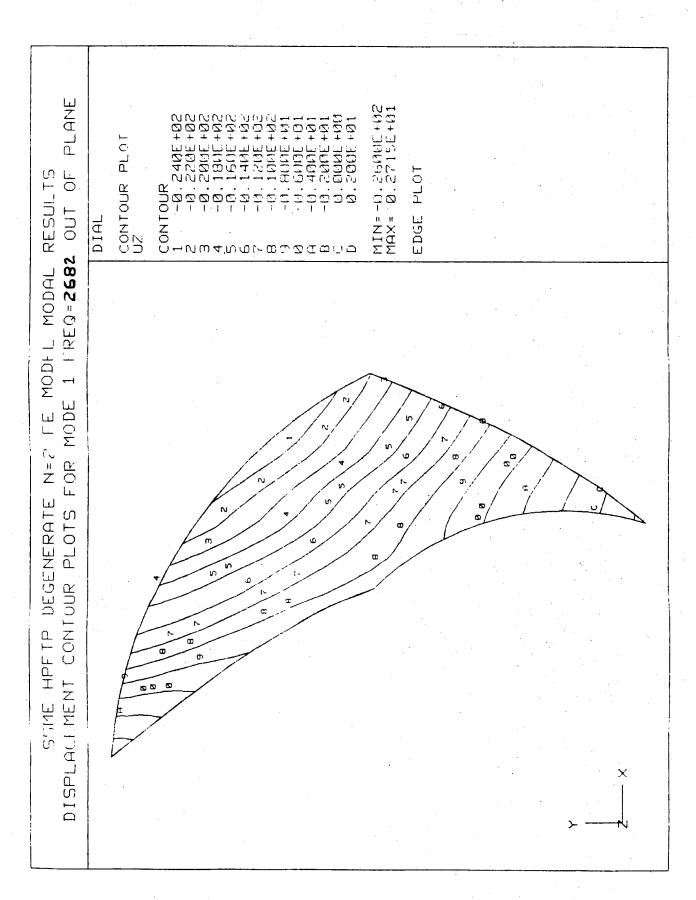
Figure 18 HPFTP Third Stage Impeller - Color Contour Stress/Strain Plots - Shroud Inside Surface



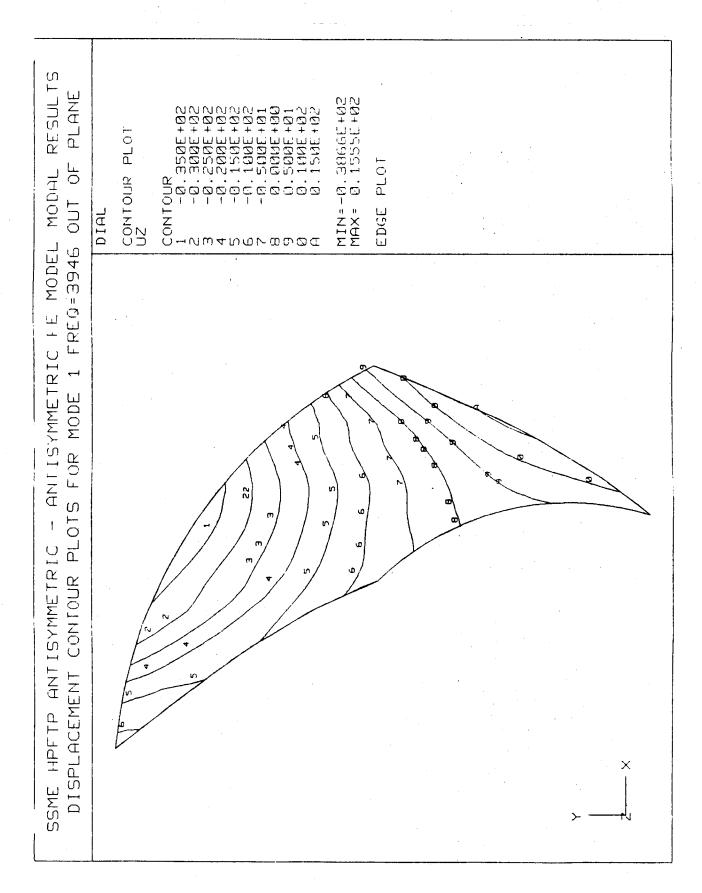
50

HPFTP Third Stage Impeller Modal Analysis - Displacement Contour Plot - Mode 1, First Degenerate Model Figure 20





52



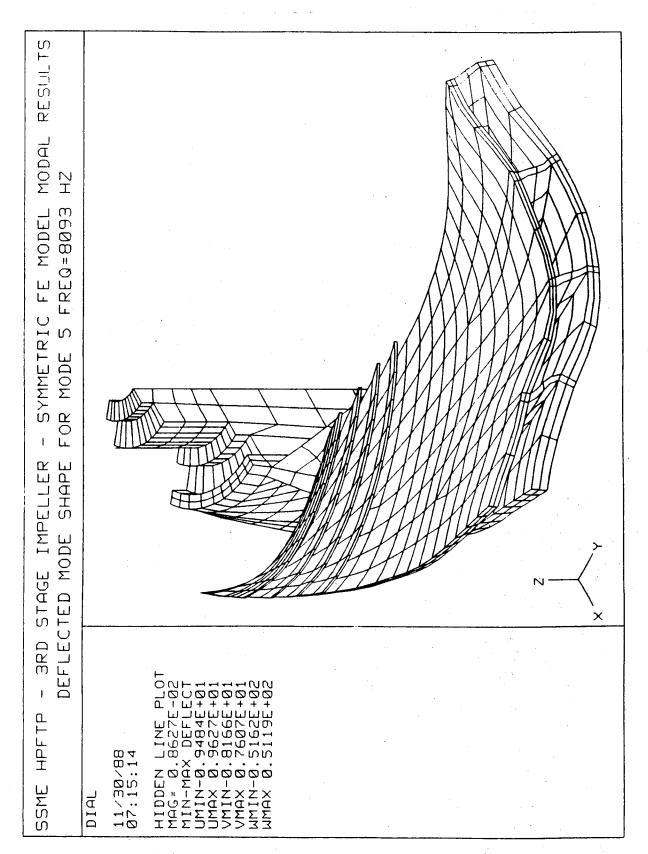


Figure 23 HPFTP Third Stage Impeller Modal Analysis - Mode Shape Deflected Plot - Mode 5, Symmetric-Symmetric Model

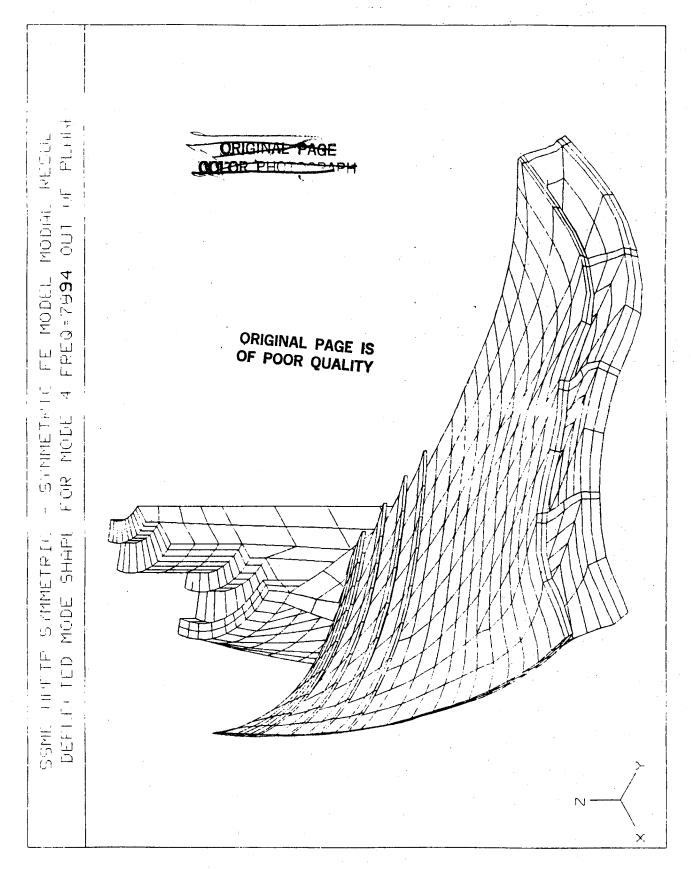
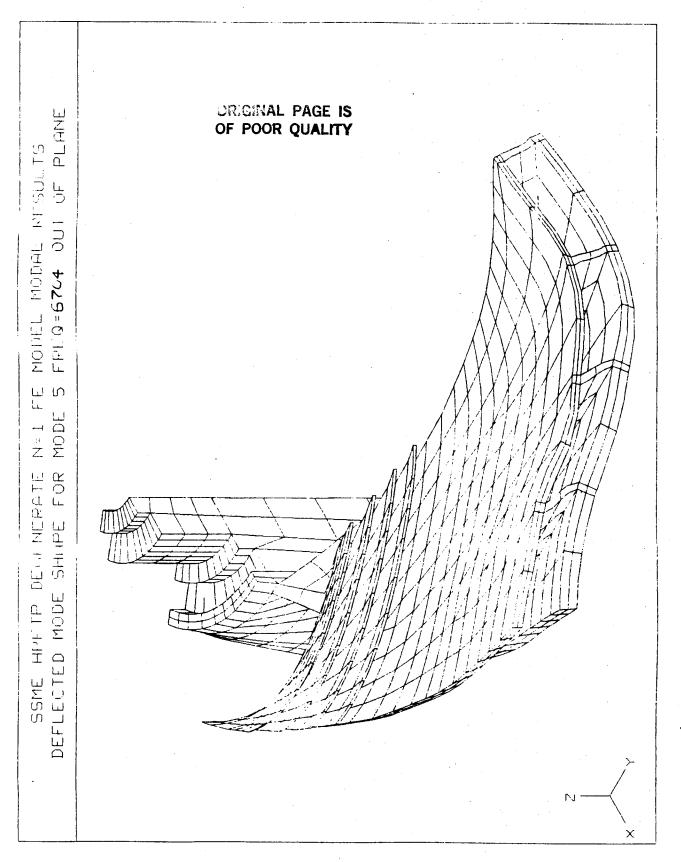
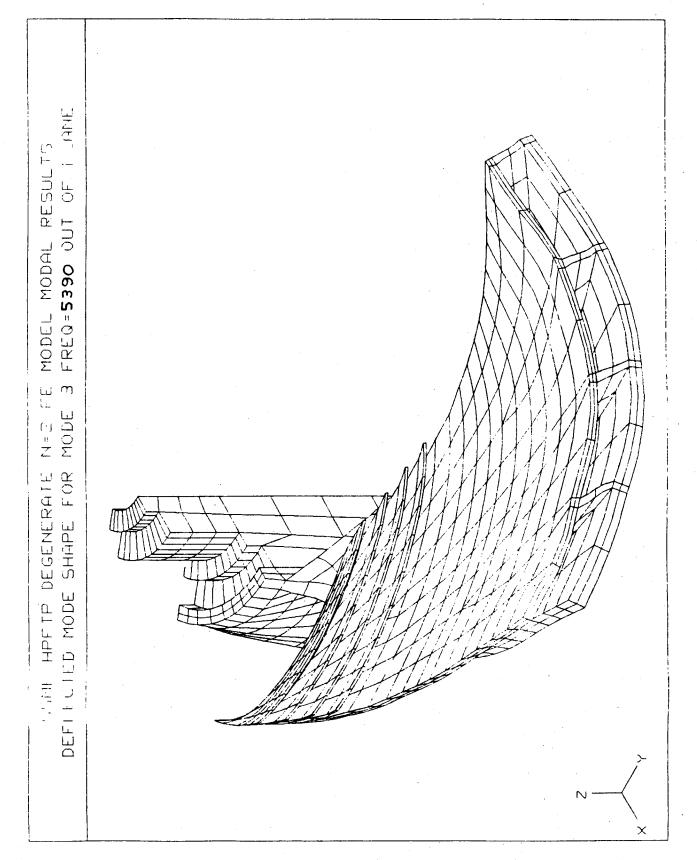


Figure 24 HPFTP Third Stage Impeller Modal Analysis - Mode Shape Deflected Plot - Mode 4, Symmetric-Symmetric Model



HPFTP Third Stage Impeller Modal Analysis - Mode Shape Deflected Plot - Mode 5, First Degenerate Model Figure 25



HPFTP Third Stage Impeller Modal Analysis - Mode Shape Deflected Plot - Mode 3, Second Degenerate Model Figure 26

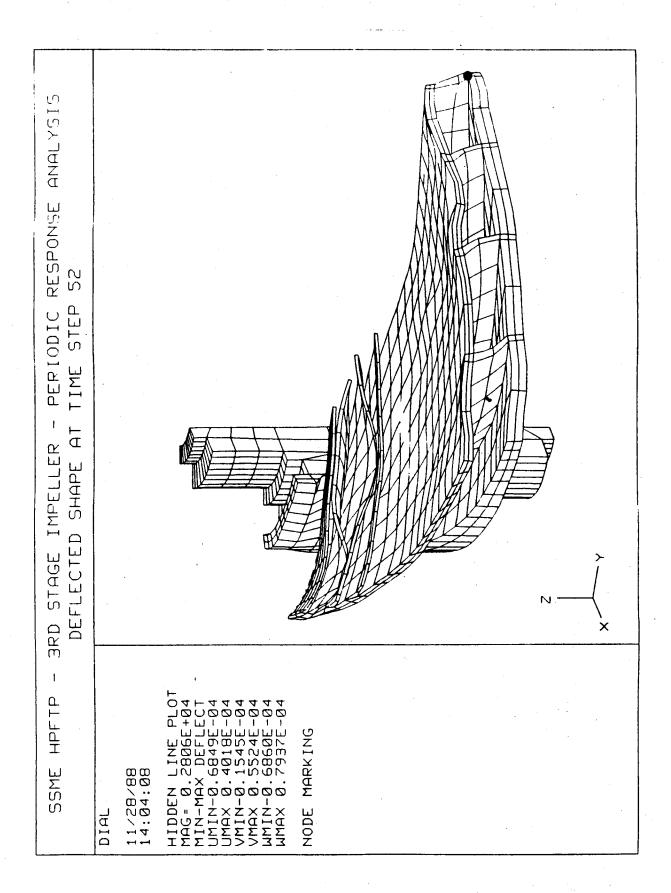
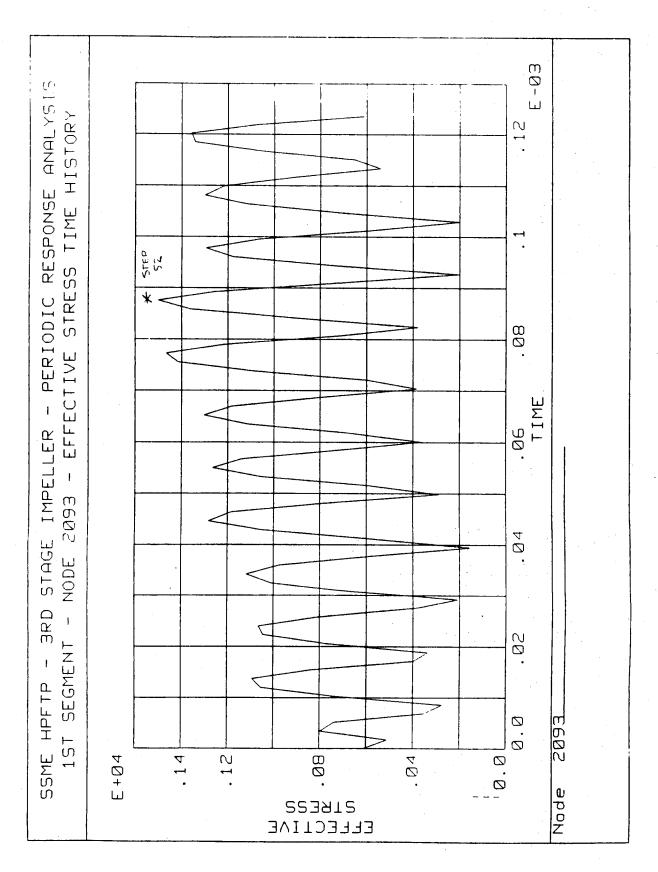
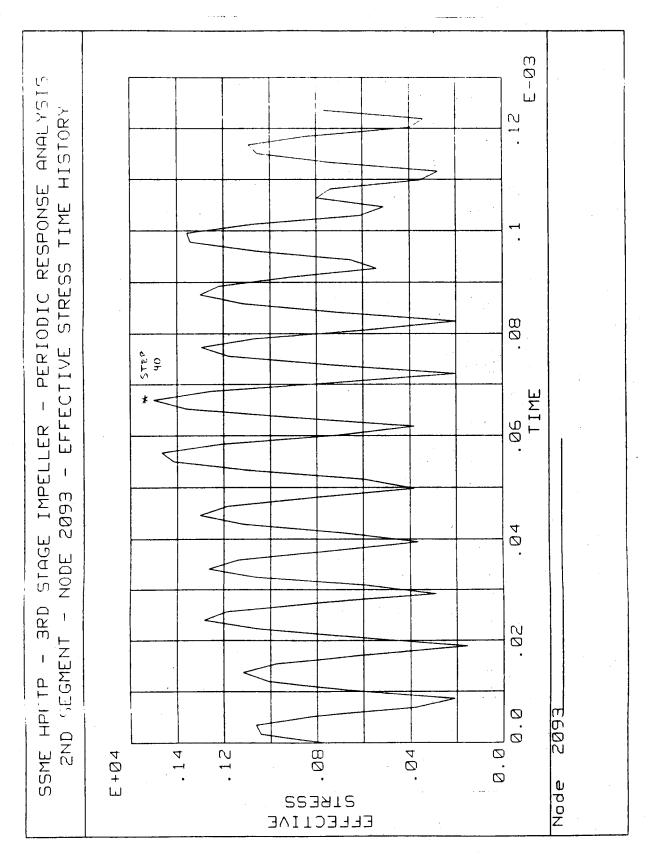


Figure 27 HPFTP Third Stage Impeller Periodic Response Analysis
Deflected Shape - First Segment at Peak Loading

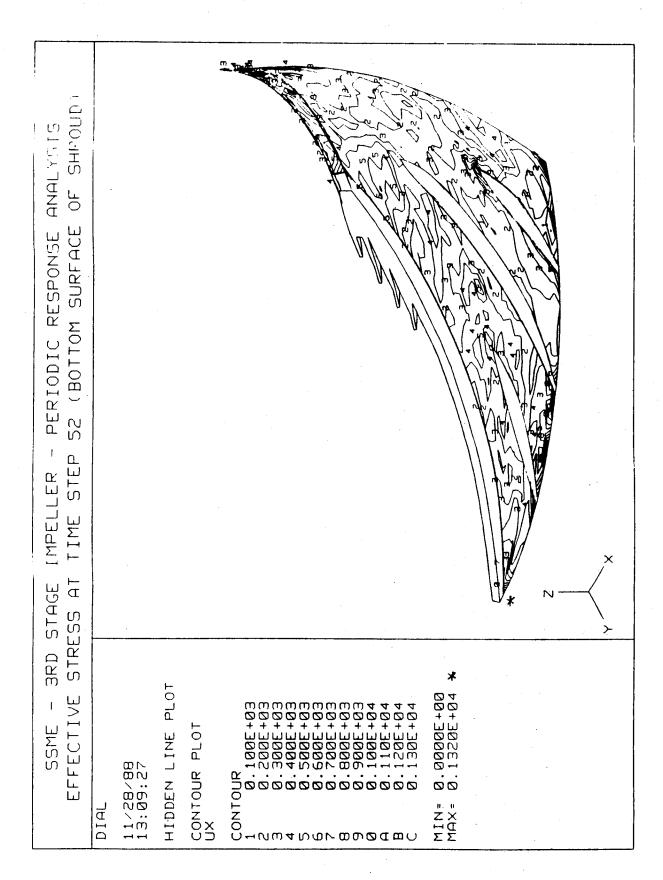


HPFTP Third Stage Impeller Periodic Response Analysis Deflected Shape - Stress Time History Plot - Segment 1 Figure 28

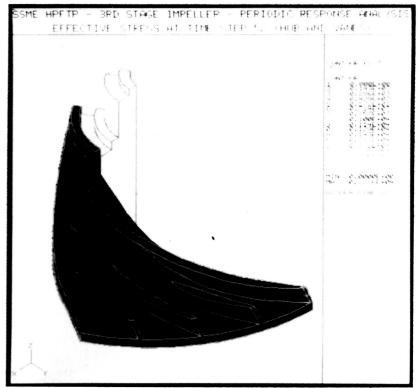


Deflected Shape - Stress Time Hostiry Plot - Segment 2 HPFTP Third Stage Impeller Periodic Response Analysis Figure 29

Effective Stress Contours - First Segment Hub at Peak Loading HPFTP Third Stage Impeller Periodic Response Analysis Figure 30



HPFTP Third Stage Impeller Periodic Response Analysis Effective Stress Contours - First Segment Shroud at Peak Loading Figure 31



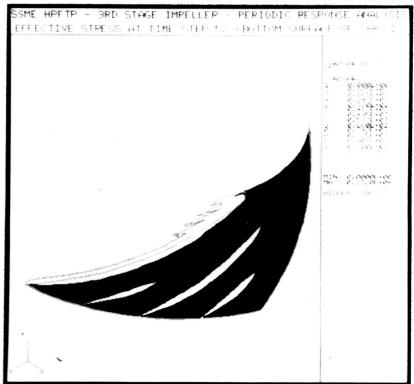


Figure 32(a,b) HPFTP Third Stage Impeller Periodic Response Analysis
Effective Stress Color Contours - First Segment at Peak Loading

Appendix A
HPFTP THIRD STAGE IMPELLER LOADING

			. C Y CALLAND		
100	CRMITOR			SUMMARY	PAGE SUN
	- C E	(SURGES ARE EXCLUDED)	EXCLUDED)		PROCESS
					00000

PHASE PHASE PHASE PHASE PHAS	14. 3162. 3041. 14. 3162. 3041. 16. 306. 33. 477.32. 30. 77.32. 482. 488. 488. 488. 488. 482. 488. 488			
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(1) (1) (4.5 E 1) PHA FPL 13314. 520.10 4 454.24 4 475. 2011. 2011. 2011. 2011. 2011. 2011. 2011. 2012. 3341. 15486. 154. 1546. 1546. 1546. 1546. 1546. 1546. 1546. 1546. 1546. 1546. 1546. 1566. 1	SIA 3314. SIA 3314. SIA 520.10 4 454.24 454.24 454.24 475. SIA 2011. F 0.997 F 0.997 SIA 572. NM 5492. NM 5492. NM 5492. NM 5492. NM 5492. NM 5492. NM 5492. NM 5492. NM 5492. NM 5492. NM 6994. I 158 I 158 I 158 I 1699 I 19	(3) PHASE 11 RPL	3041. 477.32 477.32 477.32 488. 5074. 1896. 0.931 5143. 16038. 5221. 16038. 536. 312. 4208. 7267. 6223. 14407. 6628. 1727. 1455. 1727.	54.28
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	PSIA K S LBM/S R O/F O/F O/F PSIA RPM RPM RPM RPM RPM RPM RPM RPM	PHASE 11 FPL	· · · · · · · · · · · · · · · · · · ·	63.18

APPENDIX 3 MAXIMUMENGINE PERFORMANCE (SURGES ARE EXCLUDED) ESTIMATED

PHASE 11 FPL

PAGE

FUEL	164.84 303.52	45.53	4.3024	160.32	6990.14	105.79	5.0304	1955 20	98646.8	17764.0	1 7130	0.1920	50.47	8909.72	6829.8	1.0000	/ '480//	•	X	169.64	5671.33	2011.31	1700 10	1851.43		1660.30	4467.37	0.3802		8971-17	77698.9	0.8510	37341.67		٠		
PRESSURE DOST			70.5025 4		Ø		71.5067 5	658 03 13	=	•				68	•	r		9.6132	7.	67.30	-		į	- 56			4557.96 44			-1			30162.12 373				* .
OXIDIZER	-		7	1185.25	4674.85		7	877 55						1669 11	15486.0		~	9 . 66	30162				0731	,			. 7				n						
LOW PRESSURE IDIZER FUEL	164.25		•	164 84		43		000		-	•								6 16974.16	4 32.85	50			5 5721.20 8 458 71		8 548.08	2	6		-		4 0.5425	6 16974 16				
LOW PR OXIDIZER	988 73	171.00	71,3141	1176 73	555.36	173.12	70.5728		288.38	4.00/ 6.167.7	2.2000 1911	0.2272					1937.9	0.6825	5491.96	189 84	4480.87	204.70	,	555.36 381.38	C . 197	143.78	303.44	0.4785		1853.59	1937.9	0.6764	5491.96				
	(LB/SEC)	(F3.4)		(18/560)	(PSIA)	(DEC. R)	(LB/FT3)		(F1/SEC)		(10)						(BHb)		(RPM)	(19761)	(PS IA)	(DEC R)		(PSIA)	(DEC K)	(FI/SFC)	(61/567)	(11) 250)		(FT-LB)	(BHB)		(RPM)				
TURBOMACHINARY VARIABLES		INCT INCT	PUMP INLET DENSITY			DISCHARGE	PUMP DISCHARGE IEMPERATURE PUMP DISCHARGE DENSITY			HEAD RISE		PUMP HEAD COEFFICIENT-PSI	DIAMO INIST VAPOR PRESCURE	_		CAVITATION FACT		PUMP EFFICIENCY			TURBINE FLUMRAIL	THERE IN ET TEMPERATURE		DISCHARGE PR	TURBINE DISCHARGE TEMPERATURE	COOR OIL WINDOW	-	THEORING SPOOLING VELOCITY PATTO	DECCHOL DAT	TOROUG		TIDDINE FEFTCHENCY		TURBINE SPEED PARAMETER	ENT SPEED	8	SPECIFIC HEAT RATIO, GAMMA

APPENDIX 3

TEMP (DEG R)

PAGE

	ESTIMATED MAXIMUM ENGIN	ENGINE EXCLUDED)	PERFO	N A N	ш O
ā	PHASE II FPL				
		FLOWRATE	DELTA P	PRESSUR	PRESSURE(PSIA)
N SCI	MISCELLANEOUS COMPONENTS	(LB/SEC)	(PSI)	INLET	DISCHARGE
	0X1D12ER		12 21	31 323	K15 26
	LOW PRESSURE PUMP DISCHARGE DUCT		• • •	00.00	07.00
		189 84	97.89	4674.85	4579.06
	LOW PACCOUNT TURBLINE IN ET DUCT-SECT 2	189 84	104.84	4579.06	4480.87
	LOW TAKESSORE TOWNING THEFT BOOK CECT.		84.39	4674.85	4592.63
	HIGH PRESSORE MAIN PUMP DISCH BOOT SECT A		55.98	4592.63	4537.00
		123 40	29.64	4592.63	4564.54
	DOLCGING BOOST	120 79	19.29	4564.54	4546.09
	PRESSORE BOOST PINE		10.41	8051.93	8042.20
	THE SOUNT DOOS! I DIE		15.89	8042.20	8026.96
		29.82	15.49	7071.46	7056.07
	CALCA DOCOMONED IN ET DIET	83 82	29.57	8042.20	8015.68
	FUEL PREDOMINEN INCL. COC.		52.08	7113.20	7861.37
		877.62	426.79	4420.19	4003.10
	LOW PRESSURE PUMP DISCHARGE DUCT	164.84	47.95	341.34	303.52
	LOW DRESCUE TURBINE IN ET DUCT	32.85	279.93	5293.38	5041.15
	PRESSIBE	31.70	52.74	3721.20	3671.71
	HOT GAS MANIFOLD COOLANT DUCT-FUEL SIDE	18.29	6.93		3664.89
		13,41	14.04	3671.71	3657.88
	HIGH PRESSURE PUMP DISCHARGE DUCT	160.32	64.08		6926.30
	MAIN FIFT VALVE DISCHARGE DUCT	97.75	24.43	6853.94	6822.70
A	CHAMBER COOLING JACKET INLET DUCT	32.85	135.59	6822.70	6692.72
-3	CHAMBER COOLING JACKET DISCHARGE MANIFOLD	32.85	76.37	5362.20	5293.38
3	NOZZI F COOLING JACKET INLET DUCT	63.18	140.71	6853.94	99.8029
	COOLANT CONTROL VALVE INLET DUCT	62.76	391.20	6822.70	6439.34
		62.76	136.79	6401.41	6290.37
		63.18	180.12	6441.13	6290.37
		125.77	39.76	6290.37	6251.16
	FUEL PREBURNER INLET DUCT	87.38	32.01	6250.64	6219.80
	OXIDIZER PREBURNER INLET DUCT	40 30	94 28	6250.29	6165.86
	FUEL PREBURNER INLET MANIFOLD	87.38	106.14	6219.80	6117.61
	OXIDIZER PREBURNER INLET MANIFOLD	41.26	29.23	6165.86	6139.73

45.53 475.35 458.71 458.71 106.47 475.35 106.47 106.47 106.82 446.04 106.47 106.82 284.76 284.76

To: H. STRUCK

MSD FAX 408-756-1062 DATA FAX No. 824-5873 (MSFC)

FROM: E. JACKSON

KIP POOL 21731

ORG: 81-12

BLDG 157 , FAC. 1

SUBJECT: SSME HPFTP 3rd IMPELLER LOADING

PER YOUR REQUEST I HAVE ENCLOSED

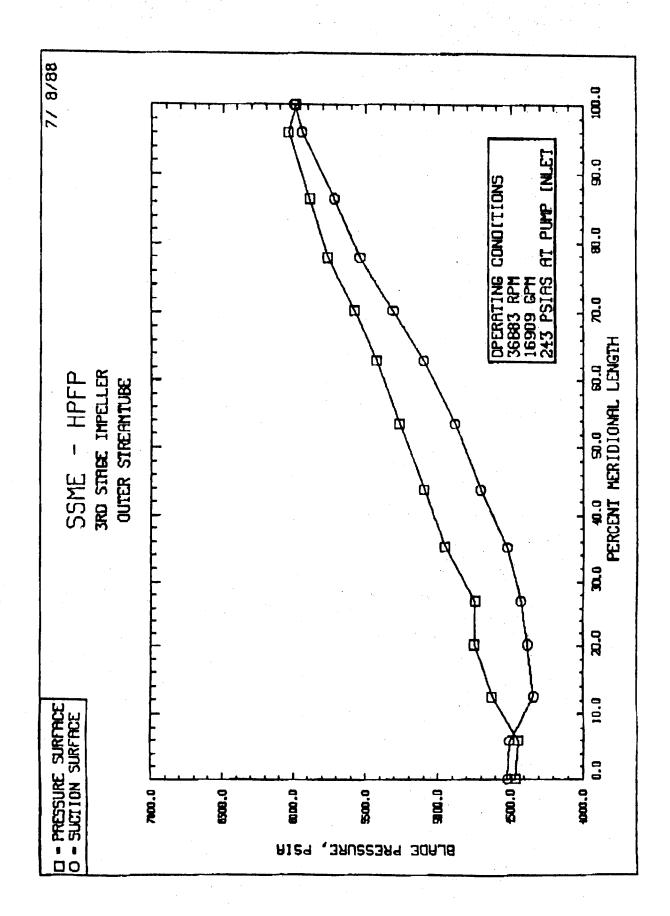
- 1. BLADE PRESS & SUCT SIDE PRESSURES ALONG 3 STREAMTURES: NEAR THE TIP (OUTER), CENTER, & NEAR THE HUB (INNER)
- 2. R-Z COORDINATES TO LOCATE PRESSURES IN THE GEOMETRIC PLANE

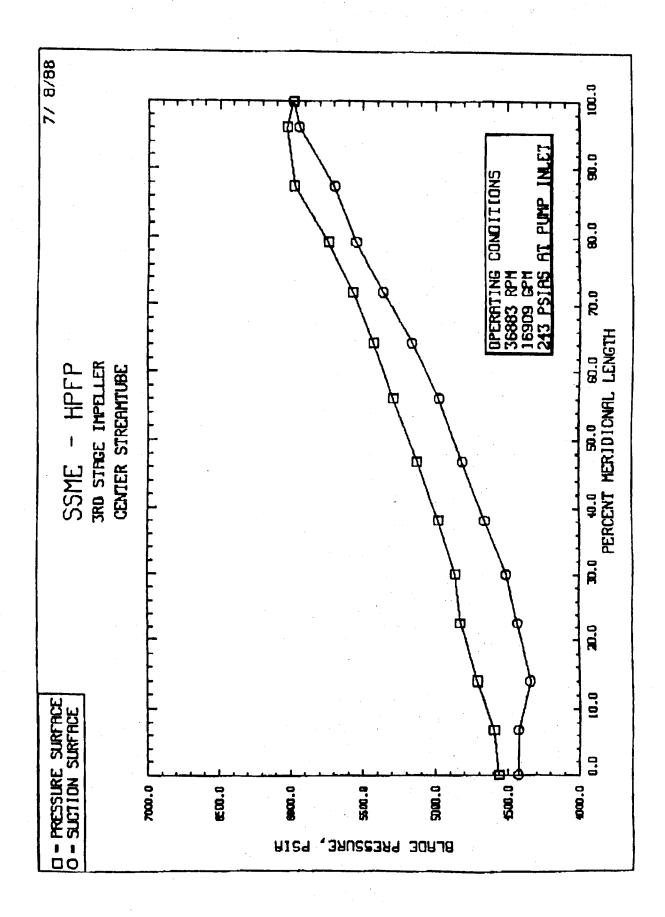
Trouble 5000 psi on Shroud outside

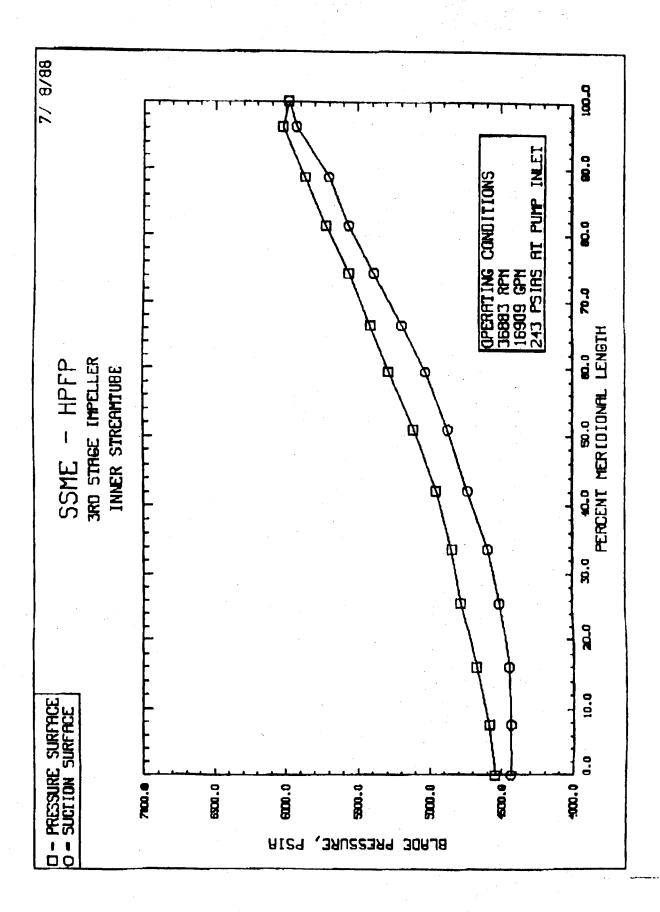
7) Include 6000 psi on Shroud outside

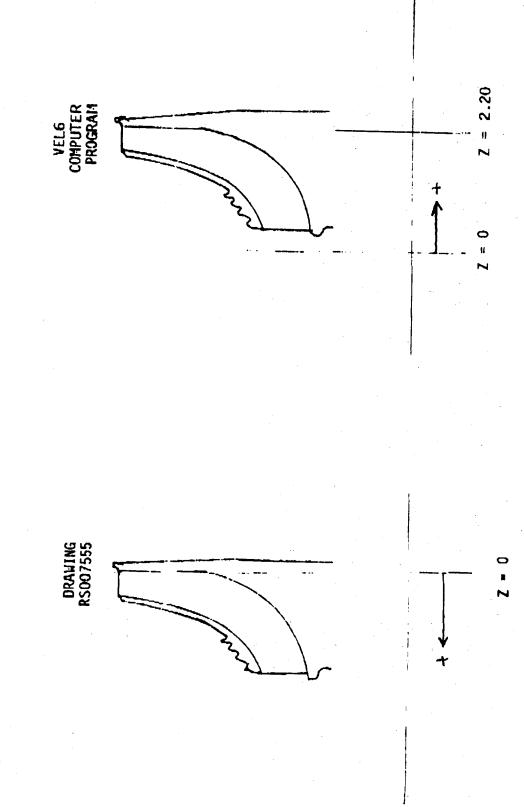
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DEFINITION OF MERIDIONAL COORDINATES

OUTER STREAMTUBE

PCT.	•	
MERID. LEN.	R	7
0	3.01	0.27
5.9	3.06	0.47
12.5	3.15	0.68
20.2	3.30	0.89
27.0	3.48	1.06
35.2	3.71	1.22
43.8	3.97	1.37
53.3	4.28	1.51
62.9	4.59	1.60
70.3	4.85	1.65
77.9	5.11	1.68
86.4	5.40	1.71
96.0	5.74	1.73
100	5.88	1.74

CENTER STREAMTUBE

PCT.		
MERID. LEN.	R	. 2
0	2.71	0.28
6.8	2.79	0.53
14.0	2.91	0.78
22.7	3.11	1.05
30.0	3.31	1.24
38.1	3.57	1.43
46.8	3.86	1.59
56.1	4.20	1.71
64.3	4.51	1.79
71.9	4.80	1.86
79.3	5.08	1.88
87.4	5.39	1.90
96.1	5.73	1.91
100	5.88	1.31

DEFINITION OF MERIDIONAL COORDINATES (CONT'D)

INNER STREAMTUBE

PCT.		
MERID. LEN.	R	7
0	2.31	0.31
7.7	2.40	0.63
16.0	2.54	0.96
25.6	2.80	1.30
33.6	3.06	1.53
42.2	3.39	1.77
51.0	3.74	1.88
59.5	4.11	1.97
66.5	4.40	2.03
74.4	4.75	2.08
81.4	5.06	2.10
88.8	5.38	2.10
96.3	5.72	2.11
100	5.88	2.12

Appendix B
STATIC ANALYSIS RUNSTREAM

FETCH ON-MES	TEXT : 'DISK6: IC	LARK JINPUTPVSR DAT		
MESH DN BANK	i,or-ik, lext*/DI D <u>of*TR,TEXT*</u> 75I	SKB (FERGUSON CEXLSO:	STAND CEX,	
FETCH DN=SET	JP DF = TR , TEXT = 'D	ISKB: [FERGUSON CEXL3]	D2]SETUP CEX'	
FETCH, ON - MATI	_,DF=TR,TEXT='DI	SKB (FERGUSON CEXL3D	MATL CEXT	
MASS FETCH DN=SCOR	S.DF=TR,TEXT='DI	SKB: [FERGUSON CEXL3D2 ISKB: [FERGUSON CEXL3D	MASS CEX'	
	D.DF=TR.TEXT='DI	SKB: [FERGUSON: CEXL30	12 SCOPE CEX	
FETCH, ON SOLV	JE , DF = TR , TEXT = 7D	ISKO (FERGUSON CEXLOC	ZJSOLVE CEX	
CETCH DM_HTT	TTV DE TO TOUR			
DISPOSE DF . BE	1, DN=F108, TEXT=/	'DISKB [FERGUSON.CEXL SDISK/RMS=REC SSSME P SDISK/RMS=REC MSSME P	UN'	
ĒXI†				
EXIT. ACCESS UO DN=	2,PDN=SSME,ID=CE FILOO2 PDN=C3AL1	LARK,UQ. T. FD=1 - TD=CLABV		
	FILOO2, PDN=C3AL1	I LOUI I DECLARA		
SMESH CLEAR 500000 MAX/MXPQ = 1500	9000 4000			
ASSIGN TONG-0	IPLC=0 IPSK=0 1	IPEL=0 IPCO=0		
IJPOINT 1	-5 1	AL-SSME-HUB FEM14 5 2111 2 712 4 3907 3 903		
IUPOINT 3	-55	3 2316 4 906	4 -3 6354	
IUPOINT 6	-5 3 -5 3	5 0396 2 455° 4 3617 3 5310	2 -2 6276	
IJPOINT 8 IJPOINT 9 IJPOINT 10	-5 3 -5 3	3.3006 4.531 2.0165 5.230	8 -3 6379 5 -3 6379 8 -3 6379	
IJPOINT 11 IJPOINT 12 IJPOINT 13	-5 Š	4 8/16 2 180	1 -3 6504	
IUPOINT 13 IUPOINT 14 IUPOINT 15	- 55 - 55 - 55 - 55	3 3604 4 1464 2 1791 4 872	-3 6504 -3 6504	
IUPOINT 16		0 8458 5 2697 4 7009 1 8942 4 2684 2 732	7 -3 6504 2 -3 6630 7 -3 6630	
IJPOINT 18 IJPOINT 19 IJPOINT 20	-5 7 -5 7	3 4157 3 7443 2 3302 4 5007	3 -3 6630 7 -3 6630	
IUPOINT 20	5 7	1 0914 4 9493 4 5272 1 5928	3 6630 -3 6755	
IJPOINT 22 IJPOINT 23 IJPOINT 24	·5 9 ·5 9	4 1718 2 3725 3 4484 3 3379	-3 6755	
IUPOINT 24	-5 ğ	2 4267 4 1405 1 3159 4 6153 4 3535 1 2559	-3 6755	
IUPOINI 25		4 3535 1 2559		•
IUPOINT 26 IUPOINT 27	- <u>5</u> 9 -5 11 -5 11	4 0375 2 0564	-3 6880	
IJPOINT 28	-5 9 -5 11 -5 11	4 0375 2 0564	-3 6880	
IUPOINT 28 IUPOINT 29 IUPOINT 30 IUPOINT 31 IUPOINT 32	-5 11 -5 11 -5 11 -5 11 -5 13	4 0375 2 0564 3 4431 2 9454 2 4684 3 7987 1 5078 4 2728 4 1603 0 9295 3 8775 1 7712	-3 6880 -3 6880 -3 7000 -3 7000	
IUPOINT 28 IUPOINT 29 IUPOINT 30 IUPOINT 31 IUPOINT 32	-5 11 -5 11 -5 11 -5 11 -5 13	4 0375 2 0564 3 4431 2 9454 2 4684 3 7997 1 5078 4 2728 4 1603 0 9295 3 8775 1 7712 3 4174 2 5482	-3 6880 -3 6880 -3 6880 -3 7000 -3 7000	
IUPOINT 28 IUPOINT 29 IUPOINT 30 IUPOINT 31 IUPOINT 32	-5 11 -5 11 -5 11 -5 11 -5 13	4 0375 2 0564 3 4431 2 9454 2 4684 3 7997 1 5078 4 2728 4 1603 0 9295 3 8775 1 7712 3 4174 2 5482	-3 6880 -3 6880 -3 6880 -3 7000 -3 7000	
IJPOINT 28 IJPOINT 29 IJPOINT 30 IJPOINT 31 IJPOINT 32 IJPOINT 35 IJPOINT 36 IJPOINT 36 IJPOINT 36 IJPOINT 38 IJP	-5 11 -5 11 -5 11 -5 11 -5 13	4 0375 2 0564 3 4431 2 9454 2 4684 3 7997 1 5078 4 2728 4 1603 0 9295 3 8775 1 7712 3 4174 2 5482	-3 6880 -3 6880 -3 6880 -3 7000 -3 7000	
IJPOINT 28 IJPOINT 29 IJPOINT 30 IJPOINT 31 IJPOINT 32 IJPOINT 34 IJPOINT 35 IJPOINT 37 IJPOINT 39 IJPOINT 39 IJPOINT 40 IJPOINT 40 IJPOINT 40 IJPOINT 40 IJPOINT 40 IJPOINT 41 IJPOINT 40 IJP	-55 -55 -55 -55 -55 -55 -55 -55 -55 -55	4 0375 2 0564 3 4431 2 9454 2 4684 3 7997 1 5078 4 2728 4 1603 0 9295 3 8775 1 7712 3 4174 2 5482	-3 6880 -3 6880 -3 6880 -3 7000 -3 7000	
IJPOINT 28 IJPOINT 29 IJPOINT 30 IJPOINT 31 IJPOINT 32 IJPOINT 34 IJPOINT 35 IJPOINT 37 IJPOINT 39 IJPOINT 39 IJPOINT 40 IJPOINT 40 IJPOINT 40 IJPOINT 40 IJPOINT 40 IJPOINT 41 IJPOINT 40 IJP	-55 -55 -55 -55 -55 -55 -55 -55 -55 -55	4 0375 2 0564 3 4431 2 9454 2 4684 2 7997 1 5078 4 2728 4 1603 0 9295 3 8775 1 7712 2 4724 2 5427 1 6845 3 9152 2 4724 3 4727 1 6845 3 9153 3 9365 0 6011 3 7350 1 3810 2 5441 3 0635 1 8408 3 5311 1 8408 3 5311 1 8408 3 5311 1 86946 0 2862 3 5668 1 0048 2 5865 2 6536	-3 6880 -3 6880 -3 6880 -3 7000	
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DPUINT	239	-1	33 33	2.1376	-0.3336 0.1199	-1.8265 -1.8265 -1.8265	
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	251 252 253 253 255 255 255 255 257 262 263 264 265 267 268 268 268 268 270 271 271 277 278 281 282 283 283 283 283 284 285 288 289 289 299 299 300 301		41 41 41 41 41 41 41 41 41 41 41 41 41 4	0 9875 1 2580 1 3880 1 4472 0 6138 0 8225 1 1560 1 2054 2 327 4 0508 3 9639 3 9139 3 1634 3 1373 3 1273 3 1	-1 0655 -0 7290 -0 1266 -1 0427 -0 8674 -0 8674 -0 3575 3 6759 3 6759 3 07056 2 2829 4 9506 4 3271 4 9506 4 3271 4 9506 4 3271 2 5934 1 6953 1 2 993 0 8842 2 5943 1 6953 1 2 993 0 8842 1 2 593 0 5 6010 1 2 8 693 1 2 8 693 1 2 9 9 8 8 4 9 8 8 8 9 8 9 8 9 8 9 8 9 8 9	-1 2650 -1 2650 -1 2650 -1 2650 -1 2650 -1 2650 -1 4950 -1 4950 -1 4950 -1 4950 -1 4950 -1 3925 -3 392	

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IJPOINT 308	35 0273 35 3765 35 7530	-1.745] -1.2650		
UPOINT 310	35 1 3765 35 1 7530 35 1 9347 35 2 0173	-1 0136 -1 3650		
JPOINT 313 1	35 2.0250 13 0.000	1.8350 -1.4950		
JPOINT 316 7 JPOINT 316 7 JPOINT 317 5	13 0 0000 15 0 0000 15 0 0000	1-4537 -1-4959		
JPOINT 317 5 JPOINT 318 5 JPOINT 319 3 JPOINT 320 3	21 0.0000	1 2100 -0 1950		
JPOINT 321 1	23 0.0000 15 0.0000	u kudo a anaa		
POINT 323 1 POINT 324 3 POINT 326 3 POINT 326 3 POINT 327 5 POINT 328 5	9 0.0000 1 0.0000	9.5900 -3.6550 0.5900 -5.4150		
JPOINT 326 3 JPOINT 327 5 JPOINT 328 5	3 0.0000 3 0.0000 9 0.0000	U. WU16 - 6 77EN		
PUINI 329 g	9 0.0000 39 0.9309	-1 5813 -1 49E0		
IPOINT 331 -1 IPOINT 332 -1 IPOINT 333 -1	39 1.2474 39 1.5886 39 1.7532	-1.3458 -1.4950 -0.9185 -1.4950		
JPOINT 334 -1 JPOINT 335 -1	39 1 8280 39 1 8350	-0.5418 -1.4950 -0.1599 -1.4950 -0.0000 -1.4950		
	7 1 3			
POINT 455 -3 POINT 460 -3 POINT 465 -3 POINT 475 -3 POINT 480 -3 POINT 485 -3 POINT 480 -3				
POINT 480 -3 POINT 485 -3 POINT 490 -3	11 13 16		•	
POINT 495 -3 POINT 500 -3	15 17 19			
POINT 500 -3 POINT 505 -3 POINT 510 -3 POINT 515 -3				
POINT 515 -3 POINT 520 -3 POINT 525 -3 POINT 530 -3	21 23 25 27 29			
POINT 540 -3	33 35			
POINT 608 1 POINT 1001 1 POINT 1002 1	37 5 3103 4 5512	2.5133 -2.8492 3.7151 -2.8492	· · · · · · · · · · · · · · · · · · ·	
POINT 1003 1	1 3.4354	4 7650 -2 9402		
POINT 1006 1	1 0.5921 3 5.2155 3 4.5873	5 4930 -2 8492 5 8451 -2 8492 2 2516 -2 8369 3 3042 -2 8349		
POINT 1008	3 3 5658 3 2 3206	4.4222 -2.8349 5.1552 -2.8349		

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OINT 1010 1	3 0.8770	E 6107	-1 0260	
POINT 1011 1	5 5.1116	5.6127 1.9940	-2 8369 -2 8214 -2 8164	
OINT 1013 i	5 4 5943 5 3 6588	2.8983	-2.8164 -2.8214	
OINT 1014	5 3 6586 5 2 5297	4 . 8072 5 . 3704	-2 8164	
OINT 1016 i	5 1 1240 7 5.0017	5.3704 1.7320	-2 8214 -2 8023 -2 7930	
OINT 1017	7 4.5816	2 4834	-2.7930	
OINT 1018 1	7 3.7392 7 2.7261 7 1.3652	3.7463 4.4415	-2 8023 -2 7930 -2 8023 -2 7787	
POINT 1020 1	7 1 3652 9 4 8855	4 4415 5 1140 1 4632	-2 8023 -2 7787	
POINT 1022 1	9 4 5054	2.1484	-2.7627	
POINT 1023 1	9 3 7947	3.4072 4.1132	-2 7627 -2 7787 -2 7627 -2 7627 -2 7787	
OINT 1025 1	9 1.5827	4.8481	-2.1787	
POINT 1027	11 4 4072	1.1796	-2 7484 -2 7217	
POINT 1028 1 POINT 1029 1	11 3 8185 11 2 9003	3.0828	-2 7217 -2 7484	
POINT 1029 POINT 1030	11 1.7655	4.5791	-2.7217 -2.7484	
POINT 1031 F	13 4 6340	0.8811 1.5833	-2.7090	
POINT 1033 1	13 3 8324	2.7501	-2 6672 -2 7090	
POINT 1034 1 POINT 1035 1	13 2 9099 13 1 9438	3.5082 4.2979	-2 6672 -2 7090	
POINT 1036 1	15 4.5141	0.6312	-2 6672	
POINT 1037 1	13 1.9438 15 4.5141 15 4.2277 15 3.8338 15 2.9543 15 2.0879 17 4.3333	1.4140 2.4652	-2 6371	
POINT 1039 1	15 2.9543	3 3394	-2.6672 -2.6371	
POINT 1040 1	15 2.0879 17 4.3333	4.0516	-2 6672	
POINT 1042 1	17 4, 1686	4.0516 0.2993 1.2204 2.0639	-2 6672 -2 5997 -2 5997 -2 5997 -2 5997	
POINT 1044 i	17 3.8220 17 3.0000		-2 5997 -2 5997	
POINT 1045 1	17 2 2770	3.6990	-2.5997	
POINT 1047 +	19 4.0646	0.0034 0.8947	-2.5301 -2.5301	
POINT 1048 1	19 3.7954 19 3.0727	1 7077 2 8071	-2 5997 -2 5301 -2 5301 -2 5301	
POINT 1050 1	19 2 4346	3 3756 -0 3326	-2.5301 -2.5301 -2.4480	
POINT 1051 1 POINT 1052 1	21 3 9716 21 3 9506 21 3 7657	-0 3326 0 5257	-2.4480 -2.4480	
POINT 1053 1	21 3 7657 21 3 1585	0.5257 1.3336	-2 4480	
PDINT 1055 1	21 2 5832	2.4306 3.0350	-2.4480 -2.4480	
POINT 1056	21 2.5832 23 3.7591	-0.6417	-2.3571	
OINT 1058	23 3.8093 23 3.6879	0.1782 0.9706	-2.3571 -2.3571	
POINT 1059 1	23 3 2099 23 2 7274	2.0590	-2.3571	
OINT 1061 i	253.4454	2 6654 -1 0539	-2 3571 -2 2085	
OINT 1062 1	21 3 1585 21 2 5832 23 3 5591 23 3 8093 23 3 6879 23 2 7274 25 3 5912 25 3 5443 25 3 2559 27 3 2562	-0.2916 0.6478	-2.2085 -2.2085 -2.2085	
OINT 1064 1	25 3.2559	1.5431	-2 2085	B-4
OINT 1065 1	25 2 8993 27 3 2562	2.1390 -1.2796	-2.2085 -2.1285	

DINT 1067	1 27 3.4547	-0.5525 -2.1285	
TNT 1068 TNT 1069	27 3 4547 27 3 4800 27 2 9681 27 2 9681 29 3 2213 29 3 3253 29 3 3658 29 3 470 31 2 5965 31 2 5965	0 3605 -2 1285	
01NT 1879	27 3 9661 29 2 9449	1 8565 -2 1285	
OINT 1071 OINT 1072	27 2,9681 29 3,2449 1 29 3,2553 1 29 3,2563 1 29 3,0470 1 31 2,5955 1 31 2,5955	-1 6098 -1.9961	
ŌĪNT 1073	1 29 3.3553	-0 9417 -1 9961 -0 0759 -1 9961 0 7951 -1 9961 1 4069 -1 9961	
801NT 1874	1 29 3.2698	0.7951 -1.9961 1.4069 -1.9961	·
OINT 1076	1 31 2.5955	-1.9372 -1.8420	
OINT 1077	1 31 2.9502	-1.3364 -1.8420	
01NT 1878	31 3 1965 31 3 2231 31 3 1079	-0.5273 -1.8420 0.3177 -1.8420 0.9113 -1.8420	
OINT 1080	1 31 3.1079	0.9113 -1.8420	
POINT 1081	1 33 2 2078	-2 2748 -1.6596 -1.6903 -1.6596	
01NT 1883	33 2 2078 33 2 6817 33 3 0264	-1 3364 -1 8420 -0 5273 -1 8440 0 3117 -1 8440 0 9113 -1 8420 -2 2748 -1 6596 -1 6903 -1 6596 -0 1443 -1 6596 0 5504 -1 6596 -2 2748 -1 4650 -1 6903 -1 4650 -0 1443 -1 4650 -0 1443 -1 4650 0 1443 -1 4650	
POINT 1084 POINT 1085	1 33 3.1667	~U.1443 -1.6596	
OINT 1086	1 33 3 667 1 33 3 1218 1 35 2 26817 1 35 3 0254 1 35 3 1667 1 35 3 1718 1 39 2 7180 1 39 3 0462	-0 1443 -1 6596 0 5504 -1 6596 -2 2748 -1 4650 -1 6903 -1 4650 -0 9466 -1 4650 -0 1443 -1 4550	
OINT 1087 OINT 1088	1 35 2 6817	-1.6903 -1.4650	
OINT 1089	35 3.1667	-0.1443 -1.4650	
01NT 1090 01NT 1091	1 35 3 1218 1 39 2 7180 1 39 3 0462		
OINT 1091	1 39 2.7180	-1.8270 -1.3650 -1.2025 -1.3650	
QÎNT 1093	1 39 3 2537	-0.3731 -1.3650	
01NT 1094	39 3 2537 1 39 3 294 39 3 0850	-1 2025 -1 3650 -0 3731 -1 3650 0 4817 -1 3650	
OINT 1096	0 0 2.4101	-2.1028 -1.4006	
OINT 1097	0 0 2.8045	-1.5379 -1.4006	
01NT 1098 01NT 1099	0 0 3:1917	-0 7596 -1 4006 0 0704 -1 4006 0 6866 -1 4006	
1100 NT 1100	0 0 3 1240	0.6866 -1.4006	
OINT 1101	3 4 4476	3 8110 -2 8492 3 4899 -2 8349 3 1724 -2 8164 2 8376 -2 7930 2 4837 -2 7627 2 1001 -2 7217 1 5833 -2 6672	*
0INT 1183	1 3 4 4076 5 4 4096 1 7 4 3710	3 4899 -2 8349 3 1724 -2 8164	
POINT 1104 POINT 1105	1 7 4 3710 1 9 4 3296	2 8376 -2 7930 2 4837 -2 7627	
801NT 1186	1 13 4 2864	2.1001 -2.7217 1.5833 -2.6672	
OINT 1107	1 15 4 2742	1.5833 -2.6672 1.5833 -2.6672	
POINT 1109	1 1 3.3335	4 8377 -2 8492	
POINT 1110	1 1 3 3335 1 3 33909 5 3 4298	4 8377 -2 8492 4 5577 -2 8369 4 2826 -2 8214	
POINT 1112	1 7 3 4656	4 0008 -2 8023 3 7099 -2 7787	
POINT 1113 POINT 1114	1 9 3.4993	3.7099 -2.7787	
OINT 1115	1 11 3 5358 1 13 3 5727 1 15 3 5936	3.4034 -2.7484 3.0801 -2.7090	THE RESIDENCE OF THE PROPERTY
POINT 1116	1 15 3 5936 1 17 3 6032	2.8038 -2.6672	
POINT 1117 POINT 1118	1 19 3 6026	2 4257 -2 5997 2 0839 -2 5301 1 7072 -2 487 1 3225 -2 3571 0 6478 -2 2085	
POINT 1119	1 19 3 6026 1 21 3 6013 1 23 3 5768 1 25 3 5443	1.7072 -2.4480	
POINT 1120	1 23 3.5768 1 25 3.5443	0 6478 -2 3571	
POINT 1121 POINT 1122 POINT 1123	1 1 1 9805	1 5833 -2 6672 4 83377 -2 8492 4 2526 -2 8273 4 0008 -2 8023 3 7099 -2 7787 3 4034 -2 7484 3 0801 -2 7692 2 8038 -2 56672 2 4257 -2 5939 7 7072 -2 4486 1 3225 -2 3577 0 6478 -2 2085 5 2462 -2 8344	
POINT 1123	1 3 2.1068	5.2462 -2.8349	

OINT 1124 1	5 2 2326 7 2 3666	4.9521 -	2.8164			
OINT 1125 1 OINT 1126 1 OINT 1127 1	9 2 5077	4 6430 - 4 3157 -	2.7930 2.7627 2.7217			
0 INT 1127 1	11 2 6621 13 2 9099	3 9619 - 3 5082 -	2.7217 2.6672			
OINT 1129 1 OINT 1130 1	15 2 9099	3 5083 - 5 8552 - 5 6425 -	2.6672 2.6672 2.8492 2.8369			
QINT 1131 1	3 0 6578	5 8552 - 5 6425 -	2.8492 2.8369			
OINT 1132 1 OINT 1133 1	5 0 8290 7 1 0009	5 4238 - 5 1976 - 4 9625 -	2.8214 2.8023 2.7787			
ÕINT 1134 1	9 1 1755	4 9625 - 4 7153	2.7787			
OINT 1135 1	11 1 3603	4.4537 -	2 7484 2 7090 2 6672			
OINT 1137	13 1 5540 15 1 7104 17 1 9074 19 2 0780	4 2249 - 3 9024 - 3 6060 -	2.6672			
OINT 1136 OINT 1137 1 OINT 1138 1 OINT 1139 1	19 2 0780 21 2 2738	<u>3 6060 -</u> 3 2732 -	2.6672 2.6997 2.5301 2.4480 2.3571			
OINT 1141 1	23 2 4353	2 9346 -	2.3571			
OINT 1143 1	25 2 6354 27 2 7363	2 1802 -	2.1285			
OINT 1144 1	29 2 8666 31 2 9754 33 3 0643	1 2792 -	1.9961			
OINT 1145 1 OINT 1146 1 OINT 1147 1	33 3 0643 35 3 0643	0.8116 - 0.8116 -	1.6596			
OINT 148	39 2 9413	1 4404 -	1.4650 1.3650 1.4006			
OINT 1149 0 OINT 1150 5	0 3 0262 1 5 3104	2 5 (20 -	.7 7190			
OINT 1151 5	1 4.5512 1 3.4354	3.7151 - 4.7659 -	2 7190 2 7190 2 7190 2 7190 2 7190			
OINT 1152 5 OINT 1153 5 OINT 1154 5	1 2 0839 1 0 5921	5 4930 - 5 8451 -	2 7 90			
OINT 1155 5	<u>3 5.1888</u>					· · · · · · · · · · · · · · · · · · ·
OINT 1156 5 OINT 1157 5	3 4.5895 3 3.5937	3 2605 4 3336	2.7028 -2.7028 -2.7028			
POINT 1158 5 POINT 1159 5	3 2 3444 3 0 9455	5.1184 5.5498	· 2 · 7028 · 2 · 7028			
OINT 1160 5	5 5 0604 5 4 5959	5.5498 - 1.8704 - 2.8256 - 3.9268 -	2.6822		····	
POINT 1161 5 POINT 1162 5 POINT 1163 5	5 5 0604 5 4 5959 5 3 6995 5 2 5673	2.8256 - 3.9268 -	2.6822 -2.6822 -2.6822 -2.6822			
POINT 1162 5 POINT 1163 5 POINT 1164 5	5 2 5673 5 1 2405	4.7450 - 5.2504 - 1.5623 - 2.4187 -	2 6822			
OINT 1165 5	7 4.9284	1.5623	2.6570			
POINT 1166 5 POINT 1167 5	7 4 5695 7 3 7677	2 4187 3 5404	2 6822 -2 6870 -2 6570 -2 6570 -2 6570 -2 6570 -2 6248 -2 6248			
OINT 1168 5	7 2.7479 7 1.5160	4 3794 4 9429	2 6570			
OINT 1170 5	9 4.7946	4 9429 1 2521 2 0946	2.6248			
OINT 1172 5	9 3.8155	2.0946 - 3.1619 -	2.6248 -2.6248 -2.6248	·		
OINT 1173 5 OINT 1174 5 OINT 1175 5	9 2 8419 9 1 7202	4 0594 4 6472	-2 6248 -2 6248			
POINT 1174 5	11 4.6582	0.9351	2.5834.			
OINT 1176 5 OINT 1177 5	11 3 8305	4 6472 0 9351 1 8021 2 8109	2 6248 2 5834 -2 5834 -2 5834	B-5		
POINT 1178 5	11 2.9061 11 1.9123	3 7587 4 3493	-2.5834 -2.5834 -2.5317	2 3		

OINT 1181 5 OINT 1182 5 OINT 1183 5 OINT 1184 5	13 4 2742 13 3 8338 13 2 9099	1 5833 2 4652 3 5082	-2 5317 -2 5317 -2 5317 -2 5317 -2 4830 -2 4830 -2 4830	 		
OINT 1183 5	13 2.9099	2.4652 3.5082	-2.5317	•		
OINT 1184 5 OINT 1185 5 OINT 1186 5	13 2 0879 15 4:3869	4 0516 0 3934 1 3237 2 1798 3 2468	-2-5317	 		
01NT 1185 5 01NT 1186 5 01NT 1187 5 01NT 1188 5	15 4 2000	1.3237	-2.4830			
OINT 1187 5 OINT 1188 5 OINT 1189 5 OINT 1190 5	15 3.8273 15 2.9762 15 2.2236 17 4.2443	2.1798	-2.4830			
A 1114 1 1 1 X X	15 2 9762 15 2 2236	3 8020	-2 4830 -2 4830 -2 4838 -2 4248 -2 4248 -2 4248 -2 4248 -2 3525 -2 3525 -2 3525 -2 3525 -2 3525	 	<u> </u>	
01NT 1190 5 01NT 1191 5	17 4 2443 17 4 1144	0.1465 1.0521	-2 4248			
OINT 1189 5 OINT 1190 5 OINT 1191 5 OINT 1192 5 OINT 1193 5	17 3.8094	1 2770 '	-2 4248 -2 4248 -2 4248			
OINT 1193 5	17 3.0371 17 2.3614	1.8770 - 2.9683 3.5297 -0.1361	-2 4248	 		
OINT 1195 5	19 4.0845	-0.1361	-2 3525			
OINT 1195 OINT 1196 OINT 1197	19 4.0189	9-7418 -	2 . 35 35	 		
OINT 1198 5	19 3,1098	2.6519	-2 3525 -2 3525			
0INT 1198 5 0INT 1199 5 0INT 1200 5	19 2 4985	2.6519 3.2341	- 2 3525			
	21 3.8971 21 3.9027 21 3.7346	2.6519 3.2341 -0.4481 0.3969 1.2007 2.2951 2.9063	-2.2/04 -2.2704	 		
01NIT 12012 E	21 3.7346 21 3.1814	1.2007	-2 2704			
0 INT 1201 5 0 INT 1202 5 0 INT 1203 5 0 INT 1204 5 0 INT 1205 5 0 INT 1206 5	21 2.6348	2.2951 2.9063	-2.2704			
DINT 1205 5	21 2.6348 23 3.6906 23 3.7620	-0:7330 0:0744 0:8666	-2.1655	 		
OINT 1207 5	23 3.7620 23 3.6616	0.8666	-2 1655			
UINI 1208 5	23 3 2208 23 2 7724	1.9454	-2.1655	 		
DINT 1210 5	25 3 4454 25 3 5912	-1.0540	-2.0452			
DINT 1211 5	25 3 5912	-0 2916 0 6478	-2.0452 -2.0452			
DINT 1209 5 DINT 1210 5 DINT 1211 6 DINT 1211 6 DINT 1212 5 DINT 1213 5 DINT 1216 5 DINT 1216 5	21 3 8971 21 3 7346 21 3 7346 21 2 6988 23 3 6960 23 3 6616 23 3 6616 23 3 2208 23 3 4654 25 3 2559 25 3 2559 26 3 2559 27 4484 27 28 3 28 28 28 28 28 28 28 28 28 28 28 28 28	7:5430	-2 48 -2 35 -2 35 -2 35 -2 35 -2 35 -2 35 -2 27 -2	 		
DINT 1214 5 DINT 1215 5	25 2.8993 1 4.4855	2.1390	-2.0452			
1111	3 4 4436	3.4568	-2 7028 -2 6822 -2 6827 -2 6248 -2 5834 -2 5831 -2 7190 -2 7028 -2 6822			
ZINT 1217 ZINT 1218 5 ZINT 1219 5	5 4 4032 7 4 3636	3.1174 2.7729	-2 6822 -2 6570			
JINI 1219 E	9 4.3219	2.4243	-2.6248			
31NT 1220 5 51NT 1221 5	11 4.2826 13 4.2742	- 2.0575 1.5833	-2 5874	 		
DINT 1221 5 DINT 1222 5 DINT 1223 5	1 3.3569	4.8215	-2.7190	•		
ÎNT 1224 5	3 3.4014 5 3.4472 7 3.4870	4 . 4862 4 . 1500	-2.7028 -2.6822			
DINT 1225 5	5 3 4472 7 3 4870 9 3 5262	3.8172	-2 6570	 		
ÎNT 1227 5	11 3 5666	3.4816	-2 5248 -2 5834			
INT 1225 5 INT 1226 5 INT 1227 5 INT 1228 5	11 3 5666 13 3 5936 15 3 6025	2.8038	-2.5317	 		
INT 1230 5	17 3.6027	2.5341	-2.4830 -2.4248			
INT 1230 5 INT 1231 5 INT 1232 5	19 3 6042	1.9265	- 2 3525	*		
2:14 + 212 	21 3 5932 23 3 5689 25 3 5443	1 9454 2 5440 -1 0540 -1 0540 -1 05416 -1 0540 -1 5430 -2 15430 -2 1749 -2 1749 -2 0575 -1 1749 -2 15833 -1 1749 -2 15833 -1 1749 -1 1500 -1 1	-2.2704 -3.1666	 · · · · · · · · · · · · · · · · · · ·		
INT 1233 5 INT 1234 5 INT 1235 5	25 3 5443	0 6478	-2.0452			
INT 1236 6 INT 1236 5 INT 1237 5	1 1.9321	0.6478 5.5482 5.2155 4.9013	-2.7022 -2.6570 -2.6570 -2.5834 -2.5834 -2.5834 -2.5833 -2.5834 -2.5833 -2.5833 -2.5833 -2.704 -2.704 -2.704 -2.7190 -			
INT 1236 5	3 2.1199 5 2.2546	4.9013	-3 6822 -2 6822	 		······································

POINT 1238 POINT 1239	5 7 2.3 5 9 2.5	926 4.58	32 -2	6570	
JPOINT 1240	5 11 2.6	307 4.26 801 3.92	31 -2	6248 5834	
IPOINT 1241 IPOINT 1242	5 13 2.5 5 1 0.5	099 3 50 120 5 85 025 5 58	26 - 2	5317 7190	
JPOINT 1243 JPOINT 1244	5 1 0.57 5 3 0.79	120 5.85 025 5.58 103 5.31	58 -2 76 -2	7028 6822 6570	
		112 5 04 130 4 77	93 2	6570	
POINT 1246 POINT 1247 POINT 1248	֪֞֝֞֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	193 4.50	17 -2	.6248 .5834	
POINT 1249	5 13 1.7 5 15 1.8	104 4 22 528 3 99	49 -2 59 -2	5834 5317 4830	
POINT 1249 POINT 1250 POINT 1251 POINT 1252	5 9 1.3 5 11 1.5 5 13 1.7 5 17 2.0	137 3.71 601 3.46	66 -2 92 -2	4248	
JPOINT 1252 JPOINT 1253	5 21 2.3	366 3.15 801 2.82	10 -2	2704	
JPOINT 1254	5 25 2 6	355 2.456	8 -2	0452	
POINT 1256 POINT 1257 POINT 1258 POINT 1258	55	436 -0 92 596 -0 14	8 -2 4 -2	4248 3525 2704 1655 0452 0160 0160 0160	
POINT 1258	$\frac{7}{7}$ $\frac{25}{25}$ $\frac{3.5}{3.2}$	596 -0 141 725 0 800 420 1 70	57 <u>-2</u>	-0160 0160	
PULNT 1260 '	7 25 2 8	562 2 293	26 - 2	0160	•
DOJUT 1261	<u> </u>	729 -0 750	4 -2	0160	
POINT 1262 POINT 1263 POINT 1264	9 25 3.7 9 25 3.6	U46 1 016	/8 -2 56 -2	0160 0160 0160 0160	
PUINI 1266 (25 3.2 25 2.7	234 1 9 16 836 2 5 1 9 1 5 2 8 0	32 -2 28 -2	.0160	
POINT 1266 POINT 1267	25 2 4 27 3 6	915 2 802 729 -0 756	7 -2	0160 9710	
POINT 1268 POINT 1269	27 37	49/ 0.04	/8 -1	.9710	
POINT 1270	27 3 2	096 1 016 234 1 916 836 2 512	36 -1 32 -1	9710 9710 9710	
POINT 1271 POINT 1272 POINT 1273	9 27 3 2 9 27 2 7 9 27 2 4 7 27 3 5	836 2.512 915 2.802	28 - 1 27 - 1	.9710 .9710	e .
POINT 1273	7 27 3 5 7 27 3 6	436 -0 929 596 -0 14	81	9710	
POINT 1274 POINT 1275 POINT 1276	7 27 3.5	725 O 806	57 - 1	9710 9710	
POINT 1276 POINT 1277 POINT 1278	7 27 3 2 7 27 2 8	562 2.292	26 - 1	9710	
PRINT 1979 I	7 27 2.5 5 29 3.1 5 29 3.3	735 2.609 069 -1.43	59 - 1	9710 8260	
POINT 1280 POINT 1281 POINT 1282	29 3 3	427 -0.738	18 -1	8260 8260	
POINT 1282	29 3 2 29 3 0	643 1 03	5 -	8260	
	29 3.0 29 2.7 7 29 3.3	984 1.971	9 -1	8260 8260 8260	•
POINT 1286 '	7 29 3 3 7 29 3 5	077 -0.458	18 - 1	8260	
POINT 1287 POINT 1288	7 29 3.5 7 29 3.2	068 0.469	3 -1	8260 8260 8260	
POINT 1289	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	122 1 964 23 2 282	9 -1	8260 8260	
POINT 1291 POINT 1292	9 29 3.4	828 -1.00E	4 -1	8260	B-6
POINT 1293	29 3.6 29 3.5	552 0 709	1 -1	8260 8260 8260	
POINT 1294	29 3.2	508 1.604	11 -1.	8260	

IJPOINT 1295 IJPOINT 1296	9 29 2.8839 9 29 2.6121 9 31 3.4828	2 1962 -1.826 2 5135 -1.826	3	
	9 31 3.4828	-1.0054 -1.781	Ď	
I UPO INT 1298 I UPO INT 1298 I UPO INT 1298 I UPO INT 1300 I UPO INT 1302 I UPO INT 1302 I UPO INT 1304 I UPO INT 1305 I UPO INT 1305 I UPO INT 1305 I UPO INT 1306 I UPO INT 1307 I UPO INT 1308	9 31 3 552 9 31 3 552 9 31 3 2558 9 31 2 8839 9 31 2 8121 7 31 3 3282 7 31 3 5077	-1.0054 -1.781 -0.2362 -1.781 0.7081 -1.781	}	
IJPOINT 1300	9 31 3.2508 9 31 2.8839	1 5041 -1 791	ğ	
IJPOINT 1302	9 3 2 8 3 1 7 3 3 3 3 2 8 2	2 1962 -1 781 2 5135 -1 781 -1 1988 -1 781		
IJPOINT 1303	9 31 2 6121 7 31 3 3282 7 31 3 5077	-1.1988 -1.781 -0.4582 -1.781		
IJPOINT 1305	7 31 3 5068	0 4653 -1.781	ŏ	
1JP01NT 1306	7 31 3.2668 7 31 2.9422 7 31 2.7023 5 33 2.7844	1.3571 -1.781 1.9640 -1.781	}	
IJPOINT 1308	7 31 2.7023	2.2829 -1.781	0	
	5 33 2.7844 5 33 3.0981	-1.7665 -1.636 -1.1292 -1.636	0	
1UPOINT 1310 1UPOINT 1311 1UPOINT 1312	5 33 3 0881 5 33 3 2477 5 33 3 2477 5 33 3 9734 7 33 3 0830 7 33 3 3248 7 33 3 4105 7 33 3 07171	-1 1292 -1 636 -0 2888 -1 636 0 5712 -1 636		
IJPOINT 1313	5 33 3.2477 5 33 3.0734 5 33 2.9220	1 10/40 -1 626	0	
I-POINT 1314	5 33 3 0734 5 33 2 9220 7 33 3 0830	1.5281 -1.636 -1.4630 -1.636	Ŷ	
IJPOINT 1314 IJPOINT 1315 IJPOINT 1316	7 33 3.3248	-0.7688 -1.636	Š	
IJPOINT 1317	7 33 3 4105 7 33 3 2637 7 33 3 0171	0.1180 -1.636 0.9966 -1.636	0	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 33 3 6171	1.5945 -1.636	5	
TUPOTNT 1321	7 33 2 8085 9 33 3 2588	1.9385 -1.636 -1.2768 -1.636	0	
I POINT 1322	9 33 3 4566 9 33 3 4810	-0.5492 -1.636	Ž	
	9 33 3.2681	1 2627 -1 636)	
IJPOINT 1325	9 33 2 9661	1.8555 -1.636	0	
IUPOINT 1325 IUPOINT 1326 IUPOINT 1327 IUPOINT 1328	9 33 2 9661 9 33 2 7351 9 35 3 2588		}	
TUPOINT 1328	9 35 3.4566 9 35 3.4810	-0.5492 -1.591 0.3641 -1.591	0	
1JP01NT 1329 1JP01NT 1330 1JP01NT 1331 1JP01NT 1332	9 33 27368 9 35 3 2688 9 35 3 4860 9 35 3 4870 9 35 2 681 9 35 2 7351 7 35 3 30830 7 35 3 2687 7 35 3 26885 5	-0.5492 -1.591 0.3641 -1.591 1.2527 -1.591 1.8555 -1.591 2.1838 -1.591 -1.4630 -1.591	<u> </u>	
IJPOINT 1331	9 35 3 2681 9 35 2 9661 9 35 2 7361 7 36 3 0830	1.8555 -1.591 2.1838 -1.591	0 .	
IJPOINT 1333 IJPOINT 1333 IJPOINT 1335 IJPOINT 1335 IJPOINT 1337 IJPOINT 1337 IJPOINT 1339 IJPOINT 1340	7 36 3 0830 7 35 3 3248 7 35 3 4105 7 35 3 2637	-1 4630 -1 591 -0 7688 -1 591 0 1180 -1 591	0	
1JP01N1 1335	7 35 3.3248 7 35 3.4105	-0.7688 -1.591 0.1180 -1.591	}	
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IJPOINT 1337 IJPOINT 1338 IJPOINT 1339 IJPOINT 1340	7 35 2 8085 5 35 2 7844 5 35 3 0981	<u> 1.9385 -1.591</u>	Ď	
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	5 35 3 2848 5 35 3 2477 5 35 3 0734	-0 2888 -1 545	ğ	
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	5 35 3.0734 5 35 2.9220 5 37 2.7844	1.5281 -1.545	0	
TUPOINT 1346	5 37 3.0981 5 37 3.2848	-1.7665 -1.450 -1.1292 -1.450 -0.2888 -1.450	ğ	
LIDOINT 1348		-1.1292 -1.450 -0.2888 -1.450 0.5712 -1.450	0	
IJPOINT 1349	5 37 3.2477 5 37 3.0734 5 37 2.9220	1.1949 -1.450	ŏ	
IJPOINT 1349 IJPOINT 1350 IJPOINT 1351	5 37 3 0734 5 37 2 9220 7 37 2 9336	-1.5585 -1.450 -1.5585 -1.450	<u> </u>	
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OINT 1352	7 37 3 2579	-0 8813 -1 4500		
POINT 1353 POINT 1354 POINT 1355	7 37 3 3750 7 37 3 2621	-0.0080 -1.4500 0.8658 -1.4500		
OINT 1356	7 37 3 0377 7 37 2 8465 7 39 2 9936	1 4707 -1 4500 1 8133 -1 4500 -1 5585 -1 4050		
POINT 1358 POINT 1358	7 39 3 2579	-0 8813 -1 4050 -0 0080 -1 4050		
POINT 1360 POINT 1361 POINT 1362	7 39 3 2621 7 39 3 2621 7 39 3 0377 7 39 2 8465	0.8658 -1.4050 1.4707 -1.4050 1.8133 -1.4050		
POINT 1402 POINT 1401 POINT 1406 POINT 1411	3 37 3 1 3 3 3 5			
POINT 1416 POINT 1421 POINT 1426 POINT 1431	3 7 3 9 3 11 3 13			
POINT 1436 POINT 1441 POINT 1446 POINT 1451	3 15 3 17 3 19			
POINT 1456 POINT 1461 POINT 1466 POINT 1471	3 21 3 23 3 25 3 27 3 29 3 31 3 33 3 35			
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LCASE 3	
"CASE 3 " APPLY 6000 PSI NORMAL TO TOP SURFACE OF SHRD PSURF -6000 14 NAME PRES S SHRD " APPLY 5000 PSI NORMAL TO BOTTOM SURFACE OF HUB 7-29-88 PSURF -5000 1 NAME PRES HUB " APPLY 4500 PSI TO FINGERS 9-12-88 PSURF -4500 1 NAME PRES I SHRD PSURF -4500 1 NAME PRES I SHRD PSURF -4500 1 NAME PRES I SHRD PSURF -4500 1 NAME PRES I SHRD	
# APPLY 5000 PSI NORMAL TO BOTTOM SURFACE OF HUB 7-29-88 PSURF -5000. 1 1 NAME PRES S HUB # APPLY 4500 PSI TO FINGEPS 9-12-88	
PSURF -4500 1 4 NAME PRES T SHRO END	
THIS APPLIES 100 PER CENT OF 12+10971+131654 IN-LBS TOTAL TORQUE TO THE INPUT SHAFT TO CAUSE A -M(Z) MOMENT TOTAL PSURF 10911 70 2 4 NAME TORG IPUT	
# 10 DEFINE TWO THIRDS OF THE TOTAL INPUT TORQUE OF 131654 IN-LBS # OR 87769 IN-LBS ACTING AT THE OUTPUT SHAFT CAUSING A +M(Z) PSURF -8989 48 2 4 NAME TORQ OPUT	
# 10 DEFINE ONE THIRD OF THE TOTAL TORQUE * 33+131654 ON FACE 3	
LCASE 5 PSURF -240 12 1 3 NAME PRES A VANE	
PSURE -240 12 1 3 NAME PRES B VANE	
PSURF - 240 12 1 3 NAME PRES D VANE PSURF - 240 12 1 3 NAME PRES E VANE PSURF - 240 12 1 3 NAME PRES E VANE	
PSURF -240. 12 1 3 NAME PRES A VANE PSURF -240. 12 1 3 NAME PRES B VANE PSURF -240 12 1 3 NAME PRES C VANE PSURF -240 12 1 3 NAME PRES D VANE PSURF -240 12 1 3 NAME PRES D VANE PSURF -240 12 1 3 NAME PRES E VANE PSURF -240 12 1 3 NAME PRES F VANE PSURF -240 12 1 3 NAME PRES G VANE PSURF -240 12 1 3 NAME PRES G VANE PSURF -240 12 1 3 NAME PRES H VANE PSURF -240 12 1 3 NAME PRES H VANE PSURF -240 12 1 3 NAME PRES H VANE	
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# PLUS 6000 PST TO TOP OF SHRD AND 5000 TO BOTTOM OF HUB	
# PLUS 4500 PSI TO THE "FINGERS" SAVE S SAVE D SAVE R SAVE EF	
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BCDOUT\UNFO=VAX\MR\$=8000 7 LC\$ NV	
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Appendix C

HPFTP THIRD STAGE IMPELLER TRANSIENT RESPONSE LOADING

APPENDIX C - HPFTP 3RD STAGE IMPELLER TRANSIENT RESPONSE LOADING.

SPATIAL LOADING

The loading for the vibration response analysis consists of two types. The inlet side of the impeller passes 15 inlet vanes per revolution and the outlet side of the impeller passes 13 diffuser vanes per revolution. These vanes induce a pressure pulse form to the impeller. The pressure pulses to the impeller were assumed to be of the same magnitude for all inlet vane positions. The 13 diffuser vane pressure pulses were also assumed to be of the same magnitude (i.e. independent of position). Modal damping of .001 (Q = 50.) was used for all modes including the Modal Truncation modes.

The spatial loading for each impeller vane was transformed to symmetrical components for the cyclic symmetry analysis. The shape of the pressure pulse was left indeterminate for the transformation to cyclic symmetry components. Rather a factor of 1.0 is assumed for the symmetry transformation of the pressure pulse shape.

The transformation to symmetrical components is given by:

where a = 360/6 = 60 degrees for the impeller, (n) is the nth physical segment, k is an integer (1 or 2 for this case), c and s superscripts stand for cosine and sine terms.

All loadings are referenced to an arbitrary vane (in segment 1) of the impeller which aligns with an inlet (diffuser) vane at time 0. The time domain representation is presented in terms of degrees; The conversion to time is wf * t = 360 degrees where wf is the driving frequency (spin speed of the impeller) in radians per second. For the analysis, the spin speed is 37,342 rpm.

A) Inlet Loading

The inlet loading is sketched in Figure 1. From the figure it is observed that the impeller vane in segments 1, 3 and 5 experience identical pulses simultaneously. Likewise the impeller vane in segments 2, 4 and 6 experience the same loading in time.

The transformation of the spatial loading of vanes 1, 3 and 5 to symmetrical components (load case A) is:

$$\frac{0}{FA} = 0.5$$

$$\frac{3}{FA} = 0.5$$

$$\frac{kc}{FA} = \frac{ks}{FA} = 0.0$$

with application times of 0, 24, 48, 72, ... degrees.

The transformation of the spatial loading of vanes 2, 4, 6 to symmetrical components (load case B) is

$$\frac{0}{FB} = 0.5$$

$$\frac{3}{FB} = -0.5$$

$$\frac{kc}{FB} = \frac{ks}{FB} = 0.0$$

with application times of 12, 36, 60, 84, ... degrees.

Adding the symmetric-symmetric components yields a loading of:

$$\overline{F}$$
 = 0.5 at times of 0, 12, 24, 36, 48, 60, ... degrees.

Adding the antisymmetric-antisymmetric components yields a loading of:

$$\overline{F}$$
 = 0.5 at times of 0, 24, 48, ... degrees. = -0.5 at times of 12, 36, 60, ... degrees.

These loadings are shown in Figure 2. These are the factors for the cyclic symmetry models loadings to apply to the pressure pulse shape that is induced on the inlet side of the impeller due to the inlet vanes. For the inlet side there are no loads in the degenerate cyclic symmetry models.

B) Diffuser Vane Loading

The diffuser loading for the main vanes is sketched in Figure 3. From the figure it is observed that each vane is pulsed at a different time. Consequently each of the impeller vanes spatial loads are transformed to symmetrical components individually. The cyclic symmetry component factors for each individual vane loading are given in Table 1. The loadings in each cyclic symmetry model are given in Figure 4 and 5 for a time duration of 1/13 revolution of the impeller. The loading then repeats.

The 1st partial and 2nd partial vanes will have cyclic symmetry component factors the same as the full impeller vanes but will be different in the time of occurrence of the pulses. It may be obvious (but nonetheless is mentioned for completeness) that the pressures occur at different spatial positions (i.e the partial vane pressures occur on the finite elements associated with the partial vanes). The difference in time portion of the loadings is a phase angle. Let T be equal to the time at which to interpolate the time loadings of Figure 4 and 5 (which are in terms of t). Then the interpolation for partial and second partial vanes is:

```
Partial Vane (phased ahead 30 degrees) --
    T = t + 30 degrees
    = t + 30 degrees - n * (360/13) degrees

Second Partial at 15 degrees from full vane --
    T = t + 15 degrees
    = t + 15 degrees - n * (360/13) degrees

Second Partial at 45 degrees from full vane --
    T = t + 45 degrees
    = t + 45 degrees - n * (360/13) degrees
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Appendix D
DYNAMIC RESPONSE ANALYSIS RUNSTREAMS

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OINT 71 DINT 72	-5 29 2 -5 29 2 -5 29 2	0199 -1 2256	-3 6679	22-NOV-88 06 47 Plag
91NT 73	-5 29 2	1734 -0 9263 3499 -8 2448	-3 6679 -3 6679	
OINT 74	-š 2 9 2	3464 0 2946	-3 6679 -3 6679	
OINT 75	-5 20 2	2327 0 7727	-3.6679	
81NT 75	- <u>\$</u> 31 1	2327 0 7727 7380 -1 4062 9158 -1 1523	-3.6622 -3.6622	
OINT 78	-5 31 2	1703 -0 5366	-3 6622 -3 6622	
OINT 79	- <u>5</u> 31 2	. 2353 - 0. 0400	-3 6622	
OÎNT 80 DÎNT 81	-5 31 2 -5 33 1	1934 0 4323 4229 -1 5998	-3.6622 -3.6650	
DINT 82		6647 -1 3463	-3 6550 -3 6550	
DINT 83	-5 33 1	.9875 -0.7960	-3 6650	•
SINT 84	-5 33 1 -5 33 1 -5 33 2 -5 35 1	1149 -0 3336 1376 0 1199	-3.6550 -3.6550	
DINT 86	- <u>5</u> 35 1	0501 -1 7838	-3 6550	
DINT 87	-5 35 1	4071 -1 5182	-3 6660	
SINT 88	-5 35 1 -5 35 1	7920 -1 0362	-3 6660 -3 6660	
DINT 90 DINT 91	-5 35 2	0621 -0 1804	-3 6650	
	-5 39 0 -5 39 1	9309 -1 5813	-3.6550	
31NT 93	-5 39 1	2474 -1 3458 5886 -0 9185	-3 6550 -3 6550	
DINT 94	-5 39 1	7532 -0 5418	-3 6660	
INT 95	-5 39 1 -5 41 0	8280 -0 1599	-3 6660	·
IN ST	-5 21 8	7370 -1.2519 9875 -1.0655	-3.6650 -3.6660	
INT 98	-5 41 1	2576 -0 7272	-3 6650	
INT 99	-5 41 1 -5 41 1	3880 -0 4290	-3 6650	
INT 100	-5 43 6	4472 -0 1266 6138 -1 0427	-3.6550 -3.6550	·
ÎNT 102 ÎNT 103	- <u>5</u> 43 0	8225 -0 8874	-3.6550	
INT 104	-5 43 1 -5 43 1	0475 -0 6057 1560 -0 3573	-3 65 50	
INT 104 INT 105	-5 43 -5 43	1560 -0 3573 2054 -0 1055	-3.6650 -3.6650	
INT 106 INT 107		3363 3.9639	-3 6254	
INT 108		2327 3 6759	-3 6379 -3 6504	
INT 109	-5 7 7	1404 3 3679 0508 3 0468	-3 6504 -3 6630	
INT 110 INT 111	-5 9 3.	9639 2 7056	-3 6755	
ÎNT 112 ÎNT 113	-5 13 ă	9139 2 2829 8775 1.7712	-3 6880 -3 7000	
INT 113	-5 1 3	1634 4 9506	-3 7000 -3 6254	
INT 114 INT 115	-5 3 3	1372 4.6461	-3 6379	
INT 116	-5 5 3 -5 7 3	1243 4 3271	-3 6604 -3 6630	
INT 117	- <u>5</u> 7 3	1208 3 9934 1273 3 6404	-3 6755	
INT 118 INT 119	-5 11 3 -5 13 3	1436 3.2632	-3 6880	
INT 120 INT 121		1250 2 8994	-3 7000 -3 7000	
INT 121	-5 15 3 -5 17 3	0955 2 5050 0571 2 0943	-3 7000	
ÎNT 122 ÎNT 123	-5 19 2,	9876 1 6965	-3 7000	
INT 124	-5 23 2	8970 1 2993 7938 0 8842	-3.7000 -3.6933	
INT 125	-5 23 2 -5 25 2	6781 0 2009	-3 6833	

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POINT 12 POINT 12	6 -5 7 -5	1	1 7734 1 8276 1 9017	5.6010 5.2998	-3	6254 6379	
POINT 12:	1 -5	5	1 8276		—-: ў	6379	
PÖTVT 151	8 -5 -5 -5 1 -5	3	1 9852	4 9869 4 6632	-3	6504	
POINT 130	š	ģ	2 0800	4.3251	- 3	6630 6755	_ ·
POINT 13	LŠ	11	2 2481	3 9340	-3	5 (DD .	
OINT 13:	2 -5	13	2.4724	3 4727	-3	7000	
POINT 13	3 -5	1	0.2661	5 8694 5 5923	- 3	6254	
POINT 13	<u> - 5</u>	3	0.3931	5 5923	-3 -3	6379	
OINT 136	-5-	<u>_</u>	0.5477 8.7100	5 3090 5 0182	-3	6379 6504	
POINT 13	- <u>5</u>	á	0.7100 0.8842	5.0182	-3	6630	
POINT 138	-5	11	0 8842 1 0891	4 7171	-3	6755	
20INT 139	-5		1 2752	4.3982	-3	RARO	
POINT 140	-5	13	4476	4 0677 3 7097		6880 7000 7000	
20141 14	-5	17	1 5996	3 3427	-3	7000	
OINT 14	-5	19	1 7394		-3	7000	
POINT 14	-5	21 23 25 27	1 8430 2 0008	2.5854	-3	7000 7000	
		23	1.9329	2 2025	-3	6933 6833	
POINT 146 POINT 146	-5	25	2.0008	1.8247	-3	6833	
OÎNT A	-5	27	2.0410	1.4852	-3.	6751	
OINT 148	-5	2 <u>9</u> 31	2 0713	1 1365	_ <u>:1</u>	8679 6622	
POINT 140	-5	33	2.0868	0.8020	-3	6622	
POINT 150	š	35	2.0989 2.0680	0 4323	-3.	6280	
OINT 15:	- Ē	39	2.0000 (0350	0.0000	-3	6660	
OINT 152	-5	41	1 8350	0.0000	- :1	6580 6550 6550	
POINT 153	3 -5	43	1 2100	0 0000	. 3	6550 6550	
OINT 15	-1	1	5.2111	2.7129	-3	3025	
POINT 156	-1.		4.3907	3.9035	3	3925 3925 3925	
CINT 158	-1	1	3 2316	4.9064	-3	3925	
OINT 15			1.8508	5.5759	-3	3925	
MINT INC	<u> </u>	4	9.3380	5 866 3	-3	3925 •	·
OINT 161			5.0396 4.3617	2.4557	-3 -	3926 3926	
OINT 162	- 1	3	3.3006	3 5218 4 5315	-3	3925 3925	
OINT 163		ž	2.0166	5 2308	-3	3925	
OINI 164	-1	3_	0.5963	5 2308 5 5743	3.	3925	
OINT 16E	-1	5	4.8716	2 1801	-3	3925	
OINT 166	- 1	5	4.3232	3 1298	-3	3026	
DINT 168		5	3 3604	4 1464	-3	3925 3925	
OINT 169	-1	_	2 1791	4.8721	-3	3925_	
OÍNT 170		2	0.8458	5.2697	-3'	300E	
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OINT 173	- 1	7	2 3302	4 5007	-3	3925	
OINT 174		Ź	1 0914	4 9493	-3	925	
OINT 175	- 1	ġ	4.5272	1 5928		925 3925	
ŎĪNŢ 176 ŎĪNT 177	-1		4.1718	2.3725	-3 :	3925	
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OINT 178 OINT 179		9	2.4267	4 1406	-3'	3025	D-3
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OINT 181		11	4.3635	1.2559	-3.	3718	
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1	OINT 182	- 1	11	3 4431	2 9454	- 2	2710	22-NoV-88 06 47
0	OINT 183	-1	11	2.4684	3 7997	-3	3718	
1	DINT 184			5078	4 2728		3718	
1			13	4.1603	0.9295	-3	3512	
10	01NT 185		13	3 8775	1 7712	-3.	.3512	
10	 		13	3 4174	- 2.5482 -	:3_	3512	
10	NINT 120		13	1 6046	3.4727	-3	3512	
191			15	2 0365	3 9160	-3	3612	
184			15	3 7360	1 2010	. 3	30.00	
1	DINT 192	-1	15	3 3636	3 73 1 3 -		******	
21NT 197 -1 17 3 2746 1 7346 -3 2463 21NT 198 -1 17 1 5865 2 6536 -3 2463 21NN 200 -1 19 3 3768 0 8307 -3 1615 21NN 200 -1 19 3 3768 0 8307 -3 1615 21NN 200 -1 19 3 3768 0 8307 -3 1615 21NN 200 -1 19 3 3768 0 8307 -3 1616 21NN 200 -1 19 3 3768 0 8307 -3 1616 21NN 200 -1 19 3 3683 1 3276 -3 1615 21NN 200 -1 19 2 6081 2 2346 -3 1615 21NN 200 -1 19 2 6081 2 7348 -3 1615 21NN 200 -1 21 3 1805 -0 3034 -3 0497 21NN 200 -1 21 3 1805 0 2576 -3 0497 21NN 200 -1 21 3 1805 0 2576 -3 0497 21NN 200 -1 21 3 1805 0 2576 -3 0497 21NN 200 -1 21 3 1805 0 2576 -3 0497 21NN 200 -1 21 2 1726 2 1805 0 3 0497 21NN 200 -1 21 2 1726 2 1805 0 3 0497 21NN 201 -1 23 2 2870 0 5778 -2 2075 21NN 210 -1 23 2 2870 0 5778 -2 2075 21NN 211 -1 23 2 2800 0 678 -2 2075 21NN 212 -1 23 2 2800 0 678 -2 2075 21NN 214 -1 23 2 2800 0 678 -2 2075 21NN 215 -1 25 2 5816 0 9870 -2 7329 21NN 216 -2 5 2 5716 0 9870 -2 7329 21NN 217 -2 5 2 5681 4 4866 -2 7329 21NN 218 -1 25 2 2568 1 4866 -2 7329 21NN 219 -1 25 2 2581 4 4866 -2 7329 21NN 210 -2 7 2 2424 -0 6850 -2 5389 21NN 220 -1 27 2 2524 0 0613 -2 5389 21NN 220 -1 27 2 2424 -0 6850 -2 5389 21NN 220 -1 27 2 2524 0 0613 -2 5389 21NN 220 -1 27 2 2524 0 0613 -2 5389 21NN 220 -1 27 2 2524 0 0613 -2 5389 21NN 220 -1 27 2 2524 0 0613 -2 5389 21NN 220 -1 27 2 2524 0 0613 -2 5389 21NN 220 -1 27 2 2524 0 0613 -2 5389 21NN 220 -1 27 2 2525 0 0 0613 -2 5389 21NN 220 -1 27 2 2525 0 0 0613 -2 5389 21NN 220 -1 27 2 2525 0 0 0613 -2 5389 21NN 220 -1 27 2 2525 0 0 0613 -2 5389 21NN 220 -1 27 2 2525 0 0 0613 -2 5389 21NN 220 -1 27 2 2525 0 0 0613 -2 5389 21NN 220 -1 27 2 2525 0 0 0613 -2 5389 21NN 220 -1 27 2 2525 0 0 0613 -2 5389 21NN 220 -1 27 2 2525 0 0 0600 -2 0833 21NN 220 -1 21 2 2525 0 0 0600 -2 0833 21NN 220 -1 21 21 21 21 21 21 21 21 21 21 21 21 21	DINT 193	- 1	15	2 5441	3 0636	. ă	3006	
20	DINT 194		15	1 8408	3.5311	- 3	3096	
01NT 197 -1 17 3 2746 1 7346 -3 2463 01NT 198 -1 17 1 5865 2 6536 -3 2463 01NT 198 -1 17 1 5865 3 1334 -3 2463 01NT 201 -1 19 3 3768 0 6307 -3 1615 01NT 202 -1 19 3 3768 0 6307 -3 1615 01NT 202 -1 19 3 3768 0 6307 -3 1616 01NT 202 -1 19 3 1683 1 32746 -3 1615 01NT 203 -1 12 2 6031 2 2346 -3 1615 01NT 204 -1 18 2 6031 2 7348 -3 1615 01NT 205 -1 21 3 1605 -0 3034 -3 0447 01NT 206 -1 21 3 1605 0 2572 -3 0447 01NT 206 -1 21 3 1645 0 2572 -3 0447 01NT 207 -1 21 3 1646 0 2572 -3 0447 01NT 208 -1 21 3 0356 0 9365 -3 0487 01NT 209 -1 21 3 0356 0 9365 -3 0487 01NT 210 -1 22 2 1726 2 1738 -2 0755 01NT 210 -1 22 2 1738 -2 0755 01NT 210 -1 22 2 1738 -2 0755 01NT 210 -1 22 2 1738 -2 0755 01NT 210 -1 22 2 1738 -2 0755 01NT 210 -1 22 2 1738 -2 0755 01NT 210 -1 22 2 1738 -2 0755 01NT 211 -1 22 2 1738 -2 0755 01NT 212 -1 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<u> 195 </u>		17	3.6946	0.2862	š.	2463	
198	UINI 196			3 5668	1 0048	-3	2463	
01NT 193 -1 17 1 9858 3 1334 -3 1623 01NT 200 -1 19 3 3768 0 6307 -3 1615 01NT 201 -1 19 3 3768 0 6307 -3 1615 01NT 202 -1 19 3 3683 1 3276 -3 1615 01NT 202 -1 19 3 6833 1 3276 -3 1615 01NT 202 -1 19 2 6001 2 7246 -3 1615 01NT 203 -1 19 2 6001 2 7246 3 1615 01NT 204 -1 19 2 7091 2 7348 -3 1615 01NT 205 -2 1 3 1605 -0 3034 -3 0487 01NT 206 -2 1 3 1646 0 2572 -3 0487 01NT 207 -2 1 3 1646 0 2572 -3 0487 01NT 208 -2 1 2 1726 2 3153 -3 0487 01NT 208 -2 1 2 1726 2 3153 -3 0487 01NT 209 -2 1 2 2 8739 -0 5726 -2 9075 01NT 210 -2 2 2 8739 -0 5726 -2 9075 01NT 210 -2 2 2 2 8739 -0 5726 -2 9076 01NT 210 -2 2 2 2 8739 -0 5726 -2 9076 01NT 210 -2 2 2 2 8739 -0 5726 -2 9076 01NT 211 -1 23 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	01NT 100			3 2746		-3.	2463	
01NT 200	TAIN			4.5865	2 6536	- 3.	2463	
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OINT 203 - 1 19 3 1883	DINT 201		19	3 3768	0 6202	- 3	1015	
01NT 204 -1 19 2 6091 2 7348 -3 1616 01NT 204 -1 19 3 8791 2 7448 -3 1616 01NT 205 -1 21 3 1606 -0 3024 -3 0497 01NT 206 -1 21 3 1646 0 2572 -3 0497 01NT 207 -1 21 3 1646 0 3305 -3 0497 01NT 207 -1 21 3 1646 0 3305 -3 0497 01NT 207 -1 21 3 1646 0 3305 -3 0497 01NT 208 -1 21 2 1726 2 3163 -3 0497 01NT 209 -1 21 2 1726 2 3163 -3 0497 01NT 210 -1 23 2 8739 -0 5726 -2 9075 01NT 211 -1 23 2 9290 -0 0893 -2 9076 01NT 212 -1 23 2 8689 0 6 16 2 8076 01NT 213 -1 23 2 25812 1 3872 -2 9076 01NT 214 -1 23 2 2307 1 9003 -2 9076 01NT 214 -1 23 2 2507 1 9003 -2 9076 01NT 215 -1 25 2 5806 -0 8204 -2 9229 01NT 216 -1 25 2 6781 0 4009 -2 7329 01NT 217 -1 25 2 5768 1 4866 -7 7329 01NT 218 -1 25 2 5216 0 9870 -2 7329 01NT 219 -1 27 2 4294 -0 6650 -2 5389 01NT 220 -1 27 2 4294 -0 6650 -2 5389 01NT 221 -1 27 2 4294 -0 6650 -2 5389 01NT 222 -1 27 2 5234 0 0613 -2 5389 01NT 224 -1 27 2 4294 -0 6650 -2 5389 01NT 224 -1 27 2 4294 -0 6650 -2 5389 01NT 224 -1 27 2 4294 -0 6650 -2 5389 01NT 224 -1 27 2 4294 -0 6650 -2 5389 01NT 225 -1 29 2 0199 -1 2566 -2 3233 01NT 226 -1 29 2 0199 -1 266 -2 3233 01NT 227 -1 29 2 3464 0 6216 -2 3233 01NT 229 -1 29 2 2377 0 7727 -2 3233 01NT 229 -1 29 2 2377 0 7727 -2 3233 01NT 229 -1 29 2 2389 -1 4662 -2 3233 01NT 229 -1 29 2 2377 0 7727 -2 3233 01NT 229 -1 29 2 2377 0 7727 -2 3233 01NT 229 -1 29 2 2377 0 7727 -2 3233 01NT 229 -1 29 2 2377 0 7727 -2 3233 01NT 229 -1 29 2 2377 0 7727 -2 3233 01NT 229 -1 29 2 2377 0 7727 -2 3233 01NT 229 -1 29 2 2377 0 7727 -2 3233 01NT 230 -1 31 1 9368 -1 1623 -2 0833 01NT 233 -1 31 1 9368 -1 1623 -2 0833 01NT 233 -1 31 1 9368 -1 1623 -2 0833 01NT 233 -1 31 1 9368 -1 1623 -2 0833 01NT 233 -1 31 1 9368 -1 1623 -2 0833 01NT 233 -1 31 1 9368 -1 1623 -2 0833 01NT 233 -1 31 1 9368 -1 1623 -2 0833	DINT 202		19	3 1683	1 3276	. 3	1815	
01NT 205 -1 21 3 1805 -0 3034 -0 0487 01NT 205 -1 21 3 1805 -0 3034 -0 0487 01NT 207 -1 21 3 1806 0 2572 -3 0487 01NT 207 -1 21 3 0356 0 9395 -3 0487 01NT 208 -1 21 2 6120 1 8050 -3 0487 01NT 209 -1 21 2 6120 2 8050 -3 0487 01NT 210 -1 23 2 8739 -0 5726 -3 0487 01NT 210 -1 23 2 8739 -0 5726 -9 075 01NT 211 -1 23 2 8659 0 6116 -2 8075 01NT 213 -1 23 2 8659 0 6116 -2 8076 01NT 215 -1 23 2 8659 0 6116 -2 8076 01NT 215 -1 23 2 8506 -0 8003 -2 9075 01NT 216 -1 23 2 8506 0 8003 -2 9075 01NT 217 -1 25 2 6781 0 4000 -2 7329 01NT 218 -1 25 2 5216 0 8870 -2 7329 01NT 219 -1 25 2 5216 0 8870 -2 7329 01NT 219 -1 25 2 5266 1 4866 -2 7329 01NT 219 -1 27 2 4284 -0 6850 -2 5389 01NT 221 -1 27 2 4284 -0 6850 -2 5389 01NT 222 -1 27 2 4284 -0 6850 -2 5389 01NT 223 -1 27 2 4284 -0 6850 -2 5389 01NT 224 -2 27 2 4284 -0 6850 -2 5389 01NT 225 -1 29 2 0199 -1 2256 -2 3233 01NT 226 -1 29 2 0199 -1 2256 -2 3233 01NT 227 -1 29 2 2484 0 6213 -2 5389 01NT 228 -1 29 2 0199 -1 2256 -2 3233 01NT 229 -1 29 2 2484 0 2623 -2 3233 01NT 229 -1 29 2 2484 0 2623 -2 3233 01NT 229 -1 29 2 2377 0 7727 -2 3233 01NT 229 -1 29 2 3450 -1 2468 0 2353 -1 31 2 1858 -1 1623 -2 0833 01NT 229 -1 29 2 2327 0 7727 -2 3233 01NT 229 -1 29 2 2327 0 7727 -2 3233 01NT 229 -1 29 2 2327 0 7727 -2 3233 01NT 229 -1 29 2 2327 0 7727 -2 3233 01NT 229 -1 29 2 2327 0 7727 -2 3233 01NT 230 -1 31 1 9158 -1 1623 -2 0833 01NT 233 -1 31 1 9158 -1 1623 -2 0833 01NT 233 -1 31 1 9158 -1 1623 -2 0833 01NT 233 -1 31 1 9158 -1 1623 -2 0833 01NT 233 -1 31 1 9158 -1 1623 -2 0833 01NT 233 -1 31 1 9158 -1 1623 -2 0833 01NT 233 -1 31 2 1834 0 4323 -2 0833	OINI 203		19	2.6091	2 2346	. 3	1616	
1	DINT 204		19	2.0791	2.7346	-3	1615	
01NT 207 -1 21 3 0355 0 3365 -3 0487 01NT 208 -1 21 2 1726 1 8050 -3 0487 01NT 208 -1 21 2 1726 2 3153 -3 0487 01NT 210 -1 23 2 8739 -0 5726 -2 8075 01NT 211 -1 23 2 8859 0 6116 2 8075 01NT 212 -1 23 2 8859 0 6116 2 8075 01NT 213 -1 23 2 5812 1 3872 -2 8075 01NT 213 -1 23 2 5812 1 3872 -2 8075 01NT 214 -1 23 2 2307 1 9003 -2 9075 01NT 215 -1 25 2 5812 1 3872 -2 8075 01NT 216 -1 25 2 6781 0 4060 2 7329 01NT 217 -1 25 2 6781 0 4060 2 7329 01NT 218 -1 25 2 5216 0 9870 -2 7329 01NT 219 -1 25 2 5268 1 4866 -2 7329 01NT 219 -1 25 2 5268 1 4866 -2 7329 01NT 219 -1 25 2 5268 1 4866 -2 7329 01NT 219 -1 25 2 5268 1 0 4870 -2 5389 01NT 221 -1 27 2 4067 -1 0249 -2 5389 01NT 222 -1 27 2 4294 -0 6653 -2 5389 01NT 223 -1 27 2 4294 -0 6653 -2 5389 01NT 224 -1 27 2 4369 -1 0249 -2 5389 01NT 224 -1 27 2 4369 -0 2658 -2 3233 01NT 226 -2 9 2 0199 -1 2566 -2 3233 01NT 227 -2 9 2 1734 -0 9263 -2 5389 01NT 228 -2 9 2 3459 -0 2468 -2 3233 01NT 229 -1 29 2 3277 0 7727 -2 2233 01NT 229 -1 29 2 3277 0 7727 -2 2233 01NT 229 -1 31 1 7380 -1 4062 -2 0833 01NT 233 -1 31 1 7380 -1 4062 -2 0833 01NT 233 -1 31 2 1954 0 4323 -2 0833 01NT 234 -1 31 2 1954 0 4323 -2 0833 01NT 234 -1 31 2 1954 0 4323 -2 0833	DINT 205		21	3.1605	-0 3034	-3	0497	
	JINT 206		21	3 1646	0 2672	-3	0497	·
1	(101 - 20 2 -		- 21	3 0356	0.9305	:	0497	
1	11NT 208		21	2 6120	1 8050	-3	0497	
1			22	2 1726	2 3 1 5 3	-3	0497	
1	INT 211		23	2 0 0 0 0	-0 5725	- 2	9075	
1	1NT 215		- 55	- 5 TAKES	-X-X473		XX/2	
1	INT 213		23	2 5812	1 3272	- 3	90 /b	
1	DINT 214	- 1	23	2 2307	4 9002	. 5	207E	
1	INI 215		25	2.5806	-0.8204	- 5	7329	
1	INT 216		25	2.6773	-0 4060	3	7320	
1	INT 217		25	2 6781	0 4009	-2	7329	
1	INT 218		25	2 5216	0.9870	- 2	7220	
1	(101 - 212		- 75	2.2568	1.4966	2.	7329	
1	11MT 220		27	2.3067	-1 0249	- 2	5389	
1	11NT 222		27	2 4294	-U 5850	-2.	5389	
DINT 224 -	11NT 223		ว์ว่	2 3234	0.0013	-2	5288	
DINT 230 -1 31 1 7380 -1 4062 -2 0823 DINT 231 -1 31 1 9158 -1 1523 -2 0823 DINT 232 -1 31 2 1703 -0 5366 -2 0833 DINT 233 -1 31 2 2353 -0 0400 -2 0833 DINT 234 -1 31 2 1934 0 4323 -2 0833	INT 224		54	- 5-3822	4 951 <u>P</u>	:	5787	
DINT 230 -1 31 1 7380 -1 4062 -2 0823 DINT 231 -1 31 1 9158 -1 1523 -2 0823 DINT 232 -1 31 2 1703 -0 5366 -2 0833 DINT 233 -1 31 2 2353 -0 0400 -2 0833 DINT 234 -1 31 2 1934 0 4323 -2 0833	INT 225		29	2 0199	-1 2266	.5	22 5 8	
DINT 230 -1 31 1 7380 -1 4062 -2 0823 DINT 231 -1 31 1 9158 -1 1523 -2 0823 DINT 232 -1 31 2 1703 -0 5366 -2 0833 DINT 233 -1 31 2 2353 -0 0400 -2 0833 DINT 234 -1 31 2 1934 0 4323 -2 0833	11NT 226		2 9	2 1734	-0 9263	-5	วัววัว	
DINT 230 -1 31 1 7380 -1 4062 -2 0823 DINT 231 -1 31 1 9158 -1 1523 -2 0823 DINT 232 -1 31 2 1703 -0 5366 -2 0833 DINT 233 -1 31 2 2353 -0 0400 -2 0833 DINT 234 -1 31 2 1934 0 4323 -2 0833	INI 227		29	2.3499	-0.2448	- 2	3233	
DINT 230 -1 31 1 7380 -1 4062 -2 0823 DINT 231 -1 31 1 9158 -1 1523 -2 0823 DINT 232 -1 31 2 1703 -0 5366 -2 0833 DINT 233 -1 31 2 2353 -0 0400 -2 0833 DINT 234 -1 31 2 1934 0 4323 -2 0833	INT 228		29	2 3454	0 2845	-2	3233	
IINI 230 -1 31 1 7380 -1 4062 -2.0833 IINI 231 -1 31 1 9158 -1 1523 -2.0833 IINI 232 -1 31 2 1703 -0.5366 -2.0833 IINI 233 -1 31 2 2353 -0.0400 -2.0833 IINI 234 -1 31 2 1934 0 4323 -2.0833	INT 229		29	2 2327	0 7727	-2	3233	
DINT 233 -1 31 2 2363 -0 0400 -2 0833 DINT 234 -1 31 2 1934 0 4323 -2 0833	INT 230			1 7380	-1 4062	-2	0833	
DINT 233 -1 31 2 2363 -0 0400 -2 0833 DINT 234 -1 31 2 1934 0 4323 -2 0833	(†0) ↓ 533 }		- 31	1.9158	-1_1523	2-	0833	
<u>PINT 234 -1 31 2.1934 0.4323 -2.0833</u>	11NT 232		31		-U.5366	- 2	0833	
	STNT 533			2 2353	0.0400	- 2	0833	
VINT 236 - 33 1 6647 - 1 3469 - 1 6409	INT 235		33	1 4220		-2	0833	
	INT 236		33	RE27	3463	-:}-	8265	

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THIOS	237 238	- 1 - 1	33 33	1 9875	-0 7980 -0 3336	-1 8265 -1 8265			
201V1	239	- 1	33	2 1376	0.1199	-1 8265	~		
THIO	240 241	- 1	35 36	1.0501	-1 7838	-1.5599			
TNIO	242	-1.	36	1 7920	-1 5182 -1 0362	-1 5599 -1 5599		*	
THICK	243	-1	36 36	1 9777	-0.6112	-1.5599			
THIO	244 245	-1	35 39	2.0621 0.9309	-0 1804 -1 5813	-1.5599			
POINT	246	i	39	1 2474	-1.3458	-1 2650 -1 2650			
THIC	247 248	1	39 39	1 5886	-0 9185	-1 2650 -1 2650 -1 2650 -1 2660			
POINT	249	í	39	1 7 532 1 8280	-0.5418 -0.1599	-1 2650 -1 2650			
THIC	250 251	1	41	0.7370	-1.2519	-1 2650 -1 2650 -1 2650 -1 2650 -1 2650			
THIC	252	-1	41	0 9875 1 2576	-1 0655 -0 7272	-1 2650			
POINT	252 253	- i	24	3880	-0.4290	-1 2650 -1 2650			
TAID	-254	1	41	1.4472	-0 1266	-1.2650			
MINT	254 255 256 257	- 1	43 43	0 6138 0 8225	-1 0427 -0 8874	-1.4950 -1.4950			
THIO	257	- 1	43	1.0475	-0.6067	-1.4950			*
HID	258 259	-1	43	1 1580	-0.3573	-1.4950			1
MINT	260	- 1	43	4 3383	-0.1055 3.9639	-1 4950 -3 3925			
THIO	261	- 1	3	4 3383 4 2327	3.6759	-3 3926			
THIO	262 263	:1-	- 	4 0508	3 3679 3 0458	-3 3925 -3 3925	- · <u>- · · · </u>		
TAIO	264	- 1	ģ	3 9639	2 7066	-3 3925 -3 3925			
OINT OINT	265 266	-1	11	3.9139	2.2829	-3 3718			
DINT	267			3.8775 3.1634	4 9606	-3.3612 -3.3925			
OINT	268	- 1	3	3 1372	4.6461	-3 3925			
OINT OINT	269 270	-1	5	3 1243 3 1208	4.3271	-3 3925 -3 3925			
OINT"	270 271	-1		3 1273	3 9934 3 6404	-3.3925 -3.3925			
OINT OINT	272	- 1	11	3.1436	3 2632	-3.3718			
CINT	273 274	- 1 - 1	13 15	3 1250 3 0965	2 8994 2 5060	-3.3512 -3.3096			
OINT	275	-1	17	3.0965 3.0671	2 0943	3 2483			
TAID	276 277	- 1 - 1	19	2.9876	1 6965	-3.1615			i
OINT	278	i	21 23	2 8970 2 7938	1 2993 0 8842	-3 0497 -3 0076			
OINT	279	- 1	23 25	2.6781	0 4009	-2 9076 -2 7329			
OINT OINT	280 281	- 1	3	1 7734 1 8276	5 6010 5 2998	-3 3925			:
<u>OINT</u>	282		š	1_9017	5 2998 4 9869	-3 3925 -3 3925			
TAID	283	- 1	7	1 9852	4.6632	-3.3925			
MINT	284 285	-1	11	2 0800 2 2481	4 3251 3 9340	-3 3926			!
THID	286	-1	13	2 4724	3 .4727	-3.3718 -3.3612			
THIO	287	-1	1	0.2581	5 8694	-3.3926			
TRIO	288 289	-1	3 5	0 3931 0 5477	5 5923 5 3090	-3 3925 -3 3925	D-4		,
THIO	290	<u>-i</u>	7	0.7100	5 0182	3 392	-		ı
THIO	291	- 1	9	0.8842	4.7171	-3 3926 -3 3926			

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TOINT	292 - 293 -	1 11	1 0891	4 3982 4 0677	-3	3718 3612 3096					
POINT	293 <u> </u>		2752	4 0677 3 7697	3	3096		***************************************		 	
OINT :	295 - 296 -		1.5995	3 3427	-3.	2463 1615 0497 9075					
OINT :	296 -	1 19	1 7394	2 9623 2 5854 2 2025	-3	1615					
POINT	297 <u>-</u> 298 -	1 53	1 8430	- 3-5854		2497				 7	
POINT	299 -		2 0008	1 8247	- 5	7320					
: TNIO	300 -	7 27	2 0410	1.4852	-5	ร์วัติดี					
OINT :	301 - 302 -	1 29	2.0713	1.1365	- 2	3233					
		1 31	2 0868	1 1365 0 8020	-2	7329 5389 3233 0833					
POINT :	303 -	1 33	2.0969	0.4323	- 1	8265					
TAIO	304 -	36	2 0680	0 0000	- 1	5599					
SINT .	305	33 35 39	1.8350	8 8888		2650 4950				 	
POINT	307 -	1 43	1 2100	0 0000	- 1	4950					
OINT :	308	35	1 0273	-1 7451	- 1	2860					
TNIO	309 310	1 35	1.3765	-1.4852	- 1	2650 2650					
	310	1 35 1 35 1 35 1 35 1 35 1 35 7 13 7 15	1.3765	-1.0136	-1	2650 2660	***************************************			 	
OINT :	311	1 35	1 9347	-0 5979	-1.	2660					
POINT	312	1 35	2 0173	-0 1765	- 1	2650 2650					
PATOT	313	35	7 8658 8 8658	0.0000	-1	2650				 	
TOINT	315	9 13	0 0000	1.8350	- 1	4950					
	316	ή ¦ξ	0 0000	1.4527 1.4527	-1. -1	4960					
POTNT	317	É 15	0 0000		1	2650 2650			*		
	318	5 <u>15</u> 5 21	- 8.8888	1-2100		182X		··		 	
MINT	19	3 21	0 0000	0 8505	-ŏ	1960 1960 0000					
MINT :	320	3 2 3	0 0000	0 8505	ŏ	ÓÖÖÖ					
OINI :	21 22 23	3 23 1 23 1 15	8 8888 8 8888	0.5900	Ō.	2650 2650					
OINT	322	1 15		0 5900	- 1	2650					
DINT 3	323	1 9	0 0000	0 5900	-3	6550 4150 4150 2250 2250					
OINT S	324]	0 0000	0.5900 0.9015	-5	4150				the second second	
SINT	25 26	3 - 1 -	0 0000 0 0000	8-9015 8 9015		\$250			<u>.</u>		·
OINT 3	27	5 3	0.0000	1 3600	- 25	2250					
OINT 3	28	5 9	0 0000	1 3800	-3	6550					
OINT 3		ā ă		1.8350	-3.	6550					
OINT :	329	1 39	0.0000	-1 5813	-1	4960				 	
OINT 3	331 - 332 -	1 39	1 2474	-1.3458	- 1	4950					
OINT 3	332 -	1 39	1 5886	-0 9185	- 1	4950					
BINT :	133 - 34 -		1.7532	-0.5418 -0.1599	1_	4950 4950					
TOINT	334 -	39			- 1	4950					
OIN'		39	1 8350	0 0000	- 1	4950					
DINT	165	3									
DINT	155 ·	3 3								 	
OINT 4	16 5 -	š š									
POINT 4	470 -	3 7									
ZOINI	475 - 480 -	3 9									
POINT		3 11								 · · · · · · · · · · · · · · · · · · ·	
<u>TNIO</u>		3 13									
POINT	190 - 195 -	3 13 3 15 3 17									
POINT	1 <u>95</u> -	3 19							·	 	
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IMPDO3 CRY:1	Directory	SAM_DISK [FONG SSME	IMP OUT				22-N	OV-88 06 47	Pag
POINT 506 -: POINT 510 -:	3 21 3 23 3 25 3 27									
POINT 510 -	3 23									
POINT 515 -	3 25									
POINT 520 -	3 27									
POINT 525 -	29									
POINT 525 POINT 530 POINT 535	3 31 3 33 3 35 3 37									
POINT 540 -3	33									
POINT 540 -3 POINT 608 -3	3 35									
POINT 608 POINT 1001 POINT 1002	37	- 0100	0 5400	0.0400						
POINT 1002	 	5.3103 4.5512	2 5133 3 7151	-2.8492						
POINT 1003		3 4354	4 7050	-2 8492						
POINT 1004		2 0839	4 7659 5 4930	-2 8492 -2 8492						
POINT 1004 POINT 1006		0.5921	5 8451	-2 8492						
POINT 1004 POINT 1006 POINT 1006	3	5 2155	2.2516	-2 8369						
POINT 1007	1 3	4 5873	3 3042	-2 8349 -2 8369						
POINT 1008	1 3	3 5858	4 4222	-2 8369						
POINT 1009	13	2.3206	4 4222 5 1552	-2 8349						
POINT 1010	1 3	2 3206 0 8776	5.6127	-2 8369						
POINT 1011	15	5.1116	1.9940	-2 8214 -2 8164						
POINT 1012	15	4 . 5943	2.8983	-2.8164						
POINT 1013	15	3.6686	4.0889	-2 8214						
POINT 1014	1 5	2.5297	4 8072	-2 8164						
POINT 1015		1 . 1240	5 3704 1 7320	-2 8214 -2 8023						
POINT 1016	! 7 !	5.0017	1.7320	-2 8023						
POINT 1017	1 2	4.5816	2.4834	-2 7930						
POINT 1018 POINT 1019	1 2	3.7392	3.7463	-2 8023						
POINT 1019 POINT 1020	1 2	2.7261	4.4415	-2 7930 -2 8023			•			
POINT 1021	1 7	1 3652	5.1140	-2 8023						
POINT 1022	! 	4 9855 4 5054	1.4632	-2.7787						
POINT 1023	, ,	3 7947	2 1484	-2 7627						
POINT 1024		2.8276	3 4072	-2 7787 -2 7627						
POINT 1025		1 5827		2 /62/						
POINT 1026	1 11	4 7638	4.8481 1.1796	-2 7787 -2 7484						
POINT 1027	1 11	4 4072	1 8330	-2.7484				•		
POINT 1028		3 8186	3 0828	-2 7217 -2 7484						
POINT 1029			3 7910	-2 7217						
POINT 1030	1 11	2 9003 1 7655	4 5791	-2 7484						
POINT 1031	1 13 .	4 6340	0 8811	-2 7000						
POINT 1032	1 13	4 2742	1.5833	-2 7090 -2 6672 -2 7090						
POINT 1033	1 13 1 13 1 13 1 13	3 8324	2.7501	- 2 7000						
POINT 1034	1 13	2.9099	3 5082	-2 6672	······································				·	
POINT 1035	1 13	1 9438	4 2979	-2 6672 -2 7090						
POINT 1036	1 15 .	4.5141	0 6312	-2 6672						
POINT 1037	1 15 1 15 1 15 1 15 1 15 1 17	4.2277	1 4140	-2 6672 -2 6371						
POINT 1038	1 15	3 8338	2 4652	-2 6672						_
POINT 1039	1 15	2 9543	3 3384 4 0516	-2 6371						
POINT 1040 POINT 1041	1 15	2.0879	4.0516	-2.6672						
POINT 1041	1 17	4.3333	0 2993	-2 6672 -2 5997		_		,		
POINT 1042		4 1686	1 2204	-2 5997	D-5			· · · · · · · · · · · · · · · · · · ·		
POINT 1043		3 8220 3 0000	2 0639	-2 5997	<i>U</i> 3					
POINT 1044		3.0000	3 1412	-2.5997						
POINT 1045	1 17	2 2770	3 6990 0 0034	-2.5997						
POINT 1046	1 19	4 1619	0 0034	-2 5301						

22-NOV-88 06 4*	IMP.OUT)	[FUNG.SSME.	Directory SAM_DISK	IMPD03 CRY;1
	-2 5301 -2 5301 -2 5301	0 8947 1 7077	19 4 0646 19 3 7954 19 3 0727	OINT 1047
	-2 E3N	2 8071	19 3.7954 19 3.0727	OINT 1048
	-2 5301	3 3756	19 2 4346	DINT 1050
	-2.4480	-0 3326	21 3 9716	ÖİNT 1051
	-2.4480 -2.4480	0.5257 1.3336	21 3.9506	TINT 1052 SINT 1053
	-2.4480	1.3336	21 3 7657	DINT 1053
	-2.4480	2 4306 3 0350	21 3 1585 21 2 5832	INT 1054
	-2.4480 -2.3571		21 2 5832	DINT 1055 DINT 1056
	-2 3671	-0.6417 0 1782	23 3 7591 23 3 8093	1NT 1056 51NT 1057
	-2.3671	0 9706	23 3 7591 23 3 8093 23 3 6879 23 3 2099	SINT 1058
	-2.3671	2 0590	23 3 2099	DÎNT 1059
	-2.3571	2.6654	23 2 7274	1NT 1060 1NT 1061
	-2 2085	-1 0539	25 3 4454 25 3 5912	OINT 1061
	-2,2085 -2,2085	-0 2916 0 6478	25 3 59 12 25 3 5443	DINT 1062 DINT 1063
	-2 2085	1 5431	25 3 2559	DINT 1064
,	-2 2085	1 5431 2 1390	25 2 8993	DINT 1065
	-2.1285	-1 2798	27 3 2 6 62	DINT 1066
	-2.1285	-0 5 525	27 3 4547	DINT 1067
	-2 1285 -2 1285	-0 5525 0 3606 1 2489	23 2 7274 25 3 4464 25 3 5912 25 3 5443 25 3 7659 25 2 8993 27 3 2662 27 3 4547 27 3 4890 27 3 2681	01NT 1068 01NT 1069
	-2 1285 -2 1285	8555	27 3 2081 27 2 9661	DINT 1069 DINT 1070
	-1.9961	-1 6098	20 2 0440	DINT 1071
	-1.9961	-0.9417	29 3 2213	11NT 1072
	-1.9961 -1.9961	-0.0759	29 3 2213 29 3 3653 29 3 2606 29 3 0470	DINT 1073
	-1.9961	0.7951	29 3 2606	OINT 1074
	-1 9961 -1 8420	1 4069 -1 9372	29 3 0470 31 2 5965	ÖÍNT 1075 ÖÍNT 1076
	-1.8420 -1.8420	3364	31 2 5955 31 2 9502	SINT 1849
	-1.8420	-0 5273	31 3 1955	DINT 1078
	-1.8420	0.3177	31 3 2231	DINT 1079
	-1.8420 -1.6596	9.9113	31 3.1079	INT 1080
•	-1 6596 -1 6596	-2 2748 -1 6903	33 2 2078 33 2 6817	1081 TAIC
	-1.6596 -1.6596	-0 9466	33 2 6817 33 3 0254	DINT 1082 DINT 1083
	-1.6596		33 3 1667	INT 1084
	-1.6596 -1.6596	0.5504	33 3 1218	DINT 1085
	- 1 . 4650	-2.2748	35 2 2078	DINT 1086
	-1.4650	-1 6903 -0 9466	35 2 6817	INT 1087
	-1 4650 -1 4650	-0 9466 -0 1443	35 2 2078 35 2 6817 35 3 0254 35 3 1667 36 3 1218	1088 101 1088
	-1 4660	0 5504	35 3 1218	INT 1090
	- 1 . 3650	-1 8270	39 2 7180	ŽĪNT 1091
<u> </u>	-1 3660	-1 2025	39 3 0462 39 3 2537	DINT 1092
	- 1 3650	-0 3731 0 4817	39 3 2537	DINT 1093
	-1 3650 -1 3650	0 4817 1 0992	39 3 2394 39 3 0850	DINT 1094 DINT 1095
	-1 4006	-2 1028	0 2 4101	NTNT 1096
	-1.4006 -1.4006	-2 1028 -1 5379	0 2 8045	01N+ 1097
	-1.4006	-0 7596	0 3 1070	OINT 1098
•	-1 4006	0 0704	0 3 1977	OINT 1099
	-1.4006 -2.8492	<u>9 6866</u>	9 3 1240	QINT 1100
	- T 04AT	3.8110	1 4 4/13	OTUP TIOT

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IMPD03 . CRY; 1	Directory	SAM_DISK	[FONG.SSME	IMP OUT	22-NOV-88	06 47
POINT 1102	1 3	4 4476	3.4899	-2.8349		
POINT 1103	1 7	4 4006	3 1724 2 8376	-2 8164 -2 7930	······································	
POINT 1105	i ģ	4 3296	2.4837	-2.7627		
POINT 1106	1 11	4 2864	2 1001	2 7217		
POINT 1107	1 13	4 2742	1 5833 1 5833	-2 6672 -2 6672		
POINT 1109	1 1	3 3335	4 8377	-2.8492	•	
POINT 1110	1 3	3 3909	4 5577	-2.8369		
OINT 1111 OINT 1112	1 7	3 4298 3 4656	4 0008	-2 8214 -2 8023		
PÕÎNT: 1113	1 9	3 4993	3.7099	-2.7787		
POINT 1114 POINT 1115	1 11	3 5368	3.4034	-2.7484		
POINT 1116	1 13	3 5727 3 5936	2 8038	-2 6672		
POINT 1117	1 17	3.6032	2 4257	-2 7090 -2 6672 -2 5997		
POINT 1118 POINT 1119	1 19	3 8026 3 8013	2 0839 1 7072	-2 5301		
POINT 1120	1 21 1 23 1 25	3 5768	3225	-2 4480 -2 3571 -2 2085		
POINT 1121	1 25	3 5443	0.6478	-2 2085		
POINT 1122 POINT 1123	1 1	1 9805 2 1068	5.5311 5.2462	-2 8492 -2 8349		
POINT 1124	1 5	2 2326	4 9521	-2 8164		
PÓINT 1125	1 7	2 2326 2 3666	4 6430	-2 7930		
POINT 1126 POINT 1127	1 9	2 6077 2 6621	4.3157	-2 7627 -2 7217		
OINT 1128	1 13	2 9099	3.5082	-2 6672		
PÕINT 1129	1 15	2 9099	3.5083	-2 6672		
POINT 1130 POINT 1131	1 1	0 4817 0 8578	5 8552 5 6425	-2 8492		
POINT 1132	5	ð \$290	5 4238	-2 8369 -2 8214		
PÕINT 1133	1 7	0 8290	5 1976	-2 8023		
POINT 1134 POINT 1135	1 9	1 1755	4 9 626 4 7163	-2.7787		
OINT 1136	1 13	1 3603 1 5540	4 4537	-2 7686		
PÕINT 1137	1 15	1 7104	4 . 2249	-2.6672 -2.5997	•	
POINT 1138 POINT 1139		1 9074	3.9024	-2.5997 -2.5301		
POINT 1140	1 19	2 2738	3 8060	-2 4480		
PŎĬŇŤ 1141	1 23	2 4363	2.9345	-2 3571 -2 2085		
PÕINT 1142 PÕINT 1143	1 21 1 23 1 25 1 27	2 6354 2 7363	2.4568 2.1802	-2.2085		
POINT 1144	1 29	2 8666	1 7455	-2 1285 -1 9961		
PÕINT 1145	1 31	2 9764	1.2792	-1.8420		
POINT 1146	1 31 1 33 1 35	3 0643 3 0643	0.8116 0.8116	-1.6596		
POINT 1147 POINT 1148	1 39	2 9413	1.4404	-1 4650 -1 3650		
PÕĪNT 1149	0 0	3 0262	1 0368	-1 4006		
POINT 1150	5 1	5 3104 4 5512	2.5130	-2 7190		
POINT 1151 POINT 1152	} 	3 4354	2 5130 3 7151 4 7659	-1 4006 -2 7190 -2 7190 -2 7190		
IPÕĪNT 1163	Š i	2 0839	5.4930	-2 7190 -2 7190	D-6	
POINT 1154 POINT 1155	5 1	0 5921	5 8461	-2.7190		
APUINT 13NA	5 3	5 1888 4 5895	3 2806	-2 7028 -2 7028		

• [MPD03 CRY;1	Directory SAM_DISK	FONG SSME	MP.OUT)	22-NOV-88 06 47	Page
_	3 3 5937	4 3336	-2.7028	•	
IUPOINT 1157 IUPOINT 1158 IUPOINT 1159	3 2 3444 3 0 9455 5 5 0604	5.1184 5.5498	-2.7028 -2.7028		
TUPOINT 1159	3 0 9455 5 5 0604	1 8704	-2.6822		
IUPOINT 1160	5 4 5959	2 8256	-2 6822 -2 6822		
TUPOINT 1162	5 3 6995 5 2 5873	3 9268 4 7450	-2 6822		
IJPOINT 1163 IJPOINT 1164	5 1,2405	5 2504	-2.6822		
IJPOINT 1165	7 4 9284	1 5623	-2 6570 -2 6570		
JUPOINT 1166	7 3 58 97	2 4187 3 5404	-2 6570 -2 6570 -2 6570		
IUPOINT 1168	7 2 7479	4 3794 4 9429	-2 6570 -2 6570		
	7 1 5 160 9 4 7946 9 4 4909	1 2521 2 0946	-2 B248		
TUPOINT 1170	9 4 4909 5 9 3 8155	2.0946	-2 6248 -2 6248		
TUPGINT 1172	9 3 8 155 5 9 2 84 19	3 1619 4 0594	-2 6248		
IJPOINT 1173	5 9 1 7202 5 11 4 6582	4.6472			
TUPOINT 1174		0 9351 1 8021	-2 5834 -2 5834		
IUPOINT 1176 IUPOINT 1177	Ē 11 3.8305	2 8 109	-2 5834		
TUPOTNT 1178	š 11 2.906 1	3.7587 4.3493 0.6312	-2.5834 -2.5834		
IJPOINT 1179	5 11 1 9123 5 13 4 5141	0 6312	-2 5317 -2 5317		
IUPOINT 1180	5 13 4 2742	1 5833	-2 5317 -2 5317		
TUPOTNT 1182	5 13 3 8338 5 13 2 9099	2.4652 3.5082	-2 5317 -2 5317		
TUPOINT 1183	5 13 2 0879	4.0516	-2 5317 -2 4830	•	
TUPOINT 1185	5 15 4.3869	0 3934	-2 4830		
IJPOINT 1186	5 15 4 2009 5 15 3 8273	1 3237 2 1798	-2 4830 -2 4830		
UPCINT 187	5 15 2 9762	3 2468	-2 4830		
IJPOINT 1189	5 15 2 2236 5 17 4 2443	3 8020 0 1465	-2 4830 -2 4248		
TUPOINT 1190	5 15 4 2009 5 15 3 8273 5 15 2 9762 5 15 2 2236 17 4 2433 5 17 4 1144	1 0521	-2.4248		
TUPOINT 192	5 17 3.8094	1 8770	-2 4248 -2 4248		
IUPOINT 1193	5 17 3 0371 5 17 2 3614	2 9683 3 5297	-2.4248		
TUPOINT 1194	5 19 4 0845	-0 1361	-2.4248 -2.3525 -2.3525		
IJPOINT 1196	5 19 4 0189	0 7418 1 5507	-2 3525	•	
IUPOINT 1197		26519	-2 3525 -2 3525 -2 3525		
TUPOINT 1198	5 19 3 1096 5 19 2 4985	3 2341	-2.3525 -2.2704		
IJPOINT 1200	5 21 3 8971 5 21 3 9027	-0 4481 0 3969	-2 27 04		
TUPOINT 1201	5 21 3.7346	1.2007	-2 2704	<u> </u>	
1 POINT 1202	5 21 3 1814	1 2007 2 2951 2 9063	-2 2704 -2 2704		
UPOINT 1204 1UPOINT 1205	5 23 3.6906	-0 7330	-2 1655		
IJPOINT 1206	5 23 3 7620 5 23 3 6616	0.0744	-2 1655 -2 1655 -2 1655 -2 1665		
TUPOINT 1207	5 23 3 6616 5 23 3 2209	0 8666 1 9454	-2 1665		
IUPOINT 1208 IUPOINT 1209	5 23 3 2208 5 23 2 7724	2 5440	-2.1666		
IJPOINT 1210	5 25 3 4454 5 25 3 5912	-1 0540 -0 2916	-2.0452 -2.0452		
TUPOINT 1211	5 25 3 5912	-V 2910	2.0402		

IMPDO3 CRY:1	Direc	tory SAM_DISK	FONG SSME IMP OUT		22-NOV-88 06 47	Pi
OINT 1212	5 25		0 6478 -2.04E 1 5430 -2.04E			
01NI 1213	5 25 5 25	2 8993	2 1390 -2.048			
OINT 1214 OINT 1215	5 1	4 4855	3.7941 -2.719		*	
ÕINT 1216	Š <u>3</u>	4 4436	3 4568 -2 703 3 1174 -2 68			
OINT 1217	<u> </u>	4 4032 4 3636	3 1174 -2 68 2 7729 -2 65			
OINT 1218 OINT 1219	5 7		2 4243 -2 626			
ĎÍNT 1220	Š 11	4 2826	2.0675 -2.58			
OINT 1221	5 13	4 2742	1 5833 -2 53 4 8215 -2 71			
OINT 222	5 7	3 3569 3 4014	4 4862 -2 70 4 1500 -2 68		•	
OINT 1224	5 5	3 4472	4 4862 -2 70 4 1500 -2 68 3 8172 -2 66			
OINT 1225	_57	3 4870 3 5262	3 8172 -2 65 3 4816 -2 62			
OINT 1226	5 9 5 11	3 5 262 3 5666	3 4816 -2 62 3 1389 -2 58 2 8038 -2 53 2 5341 -2 48	i '		
OINT 1227 OINT 1228	Š 13	3 5936	2 8038 -2 53			
OTNT 1229	5 15	3 5666 3 5936 3 6025 7 3 6027 3 6042 3 5932	2 5341 -2 48 2 2485 -2 42			
OINT 1230		3 8027 3 8042	2 2485 -2 42 1 9285 -2 35			
POINT 1231 POINT 1232	5 19 5 29	3.5932	1 9265 -2 36 1 5739 -2 27 1 1921 -2 16	1		
POINT 1233		3.555	1 1091 -2 18	<u> </u>		
01VT 1234	5 2	3 5443	0 6478 -2 04 5 5482 -2 71	2 6		
POINT 1235	5	1 1 9321 3 2 1199	5 2155 -2 70	Ř		
POINT 1236 POINT 1237	- E	2 2548	4 9013 -2.68	Ž		
POINT 1238	5	7 2 3926 9 2 5307 1 2 6801	5 2155 -2 70 4 9013 -2 68 4 5832 -2 65 4 2604 -2 62	0		
PÕINT 1239		9 2.5307	4 2604 -2 62 3 9231 -2 58	5 4		
POINT 1240	5 1	3 2 9099	3 9231 -2 58 3 5082 -2 53	7		
POINT 1241		3 2 9099 1 0 5120 3 0 7025	E 0536 -2 7	0		
POINT 1243		3 0.7025	5 5 5 5 5 5 7 C	8		
POINT 1244	5	5 0 9103 7 1 1112	5 5858 -2 70 5 3176 -2 68 5 0493 -2 68			_
POINT 1245 POINT 1246		9 1 3130	4 7783 -2.62	8	•	
POINT 1247	Š 1	1 1.5193	4 5017 -2 58	<u>4</u>		
POINT 1248	5 1	3 1 7104	4 2249 -2 5 3 9959 -2 4	· · · · · · · · · · · · · · · · · · ·		
POINT 1249		5 1 8528 7 2 0137	3 7166 -2 45			
POINT 1250 POINT 1251		9 2 1601	3 7166 -2 42 3 4692 -2 3	5		
POINT 1252	5 2	2 3366	3 4692 -2 31 3 1510 -2 2 2 8297 -2 1			
IPÓTNT 1253	52	2 2 4801 5 2 6355	2 8297 -2 10 2 4568 -2 0	3		
POINT 1254 POINT 1255	. 5	5 2 5365 5 3 5436	-0 9258 -2 0	śδ · · · · · · · · · · · · · · · · · · ·		
POINT 1255 POINT 1256	7 2	2 4801 5 2 6355 5 3 5436 6 3 5725 6 3 2420	2 4568 -2 0 -0 9258 -2 0 -0 1454 -2 0 0 8067 -2 0 1 7039 -2 0			
IPÕINT 1257		5 3 5725				
POINT 1258	7 3	3 2420	2 2926 -2 0	70 30		
POINT 1259 POINT 1260	4	25 2 8562 25 2 5736	2 6069 - 2 0	<u>š</u> ŏ		
POINT 1260 POINT 1261	ģ j	25 3 7497	2 2926 -2 0 2 6059 -2 0 -0 7564 -2 0 0 0478 -2 0	<u> </u>		
JPCINT 1262	9 :	25 3 7497	0 0478 -2.0	80 D−7		
JPÖINT 1263	9	25 3.6096 25 3.2234	1 0186 -2 0 1 9162 -2 0	90 - ·		
UPOINT 1264 UPOINT 1265	4	26 2 7836	2 5 1 2 2 - 2 0	š <u>o</u>		
JPOINT 1266	3	25 2 4915	2 8027 -2.0	80		

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MPD03 CRY; 1	Directory SAM	_DISK [FONG	SSME. IMP	OUT }	22-NOV-88 06 47
JINT 1267 9	27 3 6	1729 -0 7F	564 -1	. 9710	
INT 1267 9 INT 1268 9 INT 1269 9	27 3 67 27 3 67 27 3 27 27 3 27 27 3 86 27 3 86 27 3 86 27 3 86 27 3 3 86 27 3 3 86 27 3 3 86 27 3 3 86 27 3 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	5729 -0 75 7497 0 04 5096 0 01	/23 : : :	9718 9718	
INT 1270 9	27 3.7	2234 1 91	162 -1	9710	•
INT 1271 9	27 27	7836 2.51	128 -1.	9710	
SINT 1273 9		4915 2 80 5436 -0 92 8596 -0 14 5725 0 80 2420 1 70 8562 2 29	927 -1	9718	
21NT 1273 7	27 3 F	8696 -0.14	454 -1.	.9710	
DINT 1275 7	27 3 5	5725 0 80	067 -1	9710	
31NT 1279 7	- 37 3 7	123 3-57	039 926 069	8718	
DINT 1278 7	27 25	573% 2 60	669 -1	. 9710	
DINT 1279 5	29 3 1	1069 -1 43	376 - 1	8260	
01NT 1280 5	29 3 3 29 3 2 29 3 2	3427 -8 73	515		
DINT 1282 5	29 3.2	2643 1 03	121E -1	8280	
DINT 1283 5	. 20 3.0	0108 1.62	294 -1 1719 -1	8260	
01NT 1284 5	29 27 29 33 29 35 29 35	7984 1.97 3282 - 19	988 -1	8260 8260 8260 8260	
DINT 1286 7	29 35	5077 -0 AR	682 - 1	8260	
DINT 1287 7	29 3.5	5068 0 48	653 -1	8260 8260	
7 1288 7 7 1289 7	7 29 3 2 7 29 2 9 7 29 2 7 9 29 3 4	0.477 (0.4	840 = 1	1578	
DINT 1290 7	29 27	9422 96 7023 2 28	829 -1 054 -1	8260 8260 8260	
DÎNT 1291 9	29 34	4828 -1 00	064 -1	8260	
SINT 1292 9	20 3 5	8173 -0 23 5852 0 76	397 -1	\$260 \$260 \$260 \$260	
DINT 1294 9	29 3.2	2508 1.60	041 -1	. 8 20 0	
ĎĪNT 1295 9	29 2 8 29 2 6	9820 2 10	962 -1	. 8260	
91NT 1295 9	39 39	6121 - 2.51 4828 -1 80	XXI54 - 1	7210	
DINT 1298 9	े उंद देश	6173 -0 23	362 -1	.7810	
DÎNT 1299 9	31 3.5	5552 0.70	.081 ::	.7810 7810	
01NT 1300 9 01NT 1301 9	3 21	5562 0 70 2608 1 60 8839 2 1	982	7810	
ĎĨŇT 1302 9	3 31 28	8121 2 51	5136 -1	7810	
ÖİNT 1303 7	7 31 3 3	3282 -1 19 5077 -0 48	1988 -1 4682 -1	7810 7810	· .
01NT 1304 7	/ 3 3 	5068 0 46 2668 1 36	683	7810	
OINT 1306 7	7 31 32	2001 1 3	671	7810	•
OINT 1307 7	7 31 29	9422 1 96 7023 2 2	9840 -1 2020 -1	7810 7810	·
OINT 1309 5	5 33 2	1822 -1 1	1888 -1	6360	
ÖİNT 1310 - 5	Ĕ 33 3 C	0981 -1 11	1292 -1	. 6360	And the set of the set of
OÎNT 1311 E	§ 33 3 3	2848 -0 21 2477 0 5	2888 -1 5712 -1	ŘŽÃŎ	·
01N+ 1313 - E	k 33 3 1	0734 1 11	1949 -1	6360	
MÔINT 1314 E	<u> </u>	9220 1 5	5281 -1	6360	•
POINT 1315	/ 33 3.1	0830 -1 44 3248 -0 7	/830 · :	8360	
OINT 1317	7 33 3	4106 0 1	1788 - 1	. 636 0	
MINT 1318	7 33 3	2637 0 9 0171 1 5	1996 -1	. 6360	
OINT 1319 OINT 1320	7 33 3 7 33 3 7 33 3 7 33 3	8085 1.9	9966 -1 5945 -1 9385 -1	6360 6360 6360	
01N+ 1321 3	6 33 5	2688 - 2	2788 - 1	6360	

IMPOOS CRY !	Directory SAM_DISK	FONG SEME. IM	P.OUT)			22-NOV-88 08:47	
OINT 1322	9 33 3 4566 9 33 3 4810	-0 5492 ·	1 8300				
OINT 1324 OINT 1325	33 3 284 33 2 736	1 3686 -	8300 8300 8300				
DINT 1328	9 76 3 2 6 6 8	- 1 77KE -	1 8810				_
0 N	35 3 4466 35 3 4810 35 3 2081	0.3641 -	1 5910 1 5910 1 5910				
OINT 1332		2 1535 ·	4 8040				-
NOINT 1333	9 36 2 78 1 7 36 3 0830 7 36 3 3248 7 38 3 4105	-0.7688 -	6910 6910 6910				
POINT 1336 POINT 1336 POINT 1337	7 35 3 263?		1 5910				
POINT 1338	7 36 3 508 5	_	1 5910				_
POINT 1340 POINT 1341	8 4 4 4 4 4 4 4 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7	-1 1202 -0 2888	488			•	
PÕINT 1342 PÕINT 1343 PÕINT 1344			1448				-
DÔTHT 124K	37 3 981 37 3 981	-1 7666 -1 1292	4400			•	
POINT 1346 POINT 1347 POINT 1346	5 37 3 24 17	0 8712 -	1.4588				_
POINT 1349 POINT 1360 POINT 1361	5 37 3 2477 6 37 3 6734 6 37 2 9220 7 37 2 9230	. 221	400		·		_
POINT 1352	7 37 3.2579	-0 0000	400				
PÖINT 1363 PÖINT 1364 PÕINT 1366	7 37 3 3760 7 37 3 2021 7 37 3 6377	9988	4500				_
POINT 1368 POINT 1367 POINT 1368 POINT 1368	7 37 2 446 7 39 2 9936 7 39 3 2579 7 39 3 3780	- 1 5525	4000 4000 4000		•		
POINT 1369	7 30 3 3750 7 30 3 2021	-0 0000	1 40 6				-
POINT 1380 POINT 1381 POINT 1382 POINT 1401	7 38 3 3921 7 38 3 8377 7 38 2 8466	0 8688 1 4707 1 8133	4040	•			
POINT 1406] 						_
PÖINT 1411 PÖINT 1416 PÕINT 1421	3 7						_
POINT 1426 POINT 1431	3 17 3					•	
POINT 1441	3 13			-			_
POINT 1446 POINT 1451 POINT 1456				D-8	•		
POINT 146	i #				· · · · · · · · · · · · · · · · · · ·		_

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Directory SAM_DISK [FONG SSME IMP OUT]
                                                                                                                                                                                                                                                                                                                                                          22-NOV-88 06 47 Page 15
  IJPOINT 1471
IJPOINT 1476
IJPOINT 1481
IJPOINT 1486
IJPOINT 1491
  A HUB
B HUB
C HUB
H HUB
F HUB
H HUB
H HUB
                                                                                              TUGRID 1
SLINES 1061112 26612608-1 106
SULE 3
TUSCLID 1 485 1 SO 0 PRES S HUB
MESH 3
MESH 3
MESH 3
MESH 3
SLINES 1061112 3719285 331 246 309 24111918-5 2661260
SLINES 1061112 3719285 331 246 309 24111918-5 2661260
SLINES 179385 332 247 310 24211578-5 3 88 242 217 63
SULE 5 1
                       106T112_37T9285_331_246_309_241T1918-5_266T2608-1_106_87_241_112_266
    RULE 5 1
IJNAME 240 308
                                                            LOW HUB
 * IMPDO3 CRY;1
                                                                      Directory SAM_DISK [FONG SSME IMP OUT]
                                                                                                                                                                                                                                                                                                                                                          22-NOV-88 06 47 Page 16
                                                                                     A HUB
B HUB
C HUB
D HUB
F HUB
F HUB
                                                                                         A HUB
HUB
HUB
HUB
HUB
HUB
HUB
    TUSOLTO 0 0 1
TUSOLTO 1 515 1 SO 0 PRES S HUB
   IUSDLID 1515 1 SO 0 PRES S HUB
MESH 3
MERGE MESH 3
MERGE MESH 5
MSYS 1
SLIMES 1131125 6819385 332 247 310 24212228-5 27912678-1 113.125 279 88 242
IUGRID 1
  SLINES 1131125 6819385 332 247 310 24212228-5 279126:
IJGRID 1
SLINES 479485 333 248 311 2431588-5 4 89 243 188 34
RULE 5 1
IJNAME 240 308 LOW HUB
IJNAME 155 240 LOW HUB
IJSOLID 450 1 S0 0 PRES A HUB
IJSOLID 460 165 1 S0 0 PRES B HUB
IJSOLID 460 165 1 S0 0 PRES C HUB
IJSOLID 460 165 1 S0 0 PRES C HUB
IJSOLID 470 175 1 S0 0 PRES C HUB
IJSOLID 470 175 1 S0 0 PRES F HUB
IJSOLID 480 185 1 S0 0 PRES F HUB
IJSOLID 480 185 1 S0 0 PRES F HUB
IJSOLID 480 185 1 S0 0 PRES G HUB
IJSOLID 480 185 1 S0 0 PRES G HUB
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IJSOLID 480 185 1 S0 0 PRES G HUB
IJSOLID 500 210 1 S0 0 PRES I HUB
IJSOLID 505 210 1 S0 0 PRES I HUB
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IJSOLID 505 210 1 S0 0 PRES HUB
IJSOLID 505 210 1 S0 0 PRES HUB
IJSOLID 505 210 1 S0 0 PRES HUB
IJSOLID 505 210 1 S0 0 PRES HUB
IJSOLID 515 220 1 S0 0 PRES HUB
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* IMP003 CRY; 1
                                                                                                                         Directory SAM_DISK [FONG SSME.IMP OUT]
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      IUSOLID 520 225 1 SO 0 PRES
IUSOLID 525 230 1 SO 0 PRES
IUSOLID 536 236 1 SO 0 PRES
IUSOLID 536 240 1 SO 0 PRES
IUSOLID 540 608 1 SO 0 PRES
IUSOLID 1 540 1 SO 0 PRES
IUSOLID 1 540 1 SO 0 PRES
MESH 3
MERGE MESH 3 4
WMESH 6
                                                                                                                                                   N HUB
O HUB
P HUB
R HUB
S HUB
     51 185 1337151 335 305 313 30472878-1 133:150 304
         * IMPDO3 CRY, 1
                                                                                                                        Directory SAM_DISK [FONG SSME IMP OUT]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22-NOV-88 06 47
     IUSOLID 0 0 1

IUSOLID 1 540 1 50 0 PRES S HUR

KNAME 0 0 3 3 SIDE TWO BOT

WESH 3

WESH 5

WESH 57
   NAME 0 0 3 3 SIDE 1WO BOT
WESH 3
WERGE WESH 7
WINDOWN
MESH 9
MSYS 1
SLINES 1096 1096 1091

LIRE 1086 1096 1091

LIRE 1086 1096 1091

LIRE 1087 1092 1358712568-6 1211T11518-5 1002T108785 1032 1181

PLINE 1087 1097 1092

RULE 5 1
JUNAME 1001 1091 ... HIGH SHRD

JUNAME 1001 1001 1406 1 SO 0 PRES A SHRD

JUSOLID 1001 1406 1 SO 0 PRES A SHRD

JUSOLID 1011 1416 1 SO 0 PRES C SHRD

JUSOLID 1016 1421 1 SO 0 PRES C SHRD

JUSOLID 1016 1421 1 SO 0 PRES C SHRD

JUSOLID 1016 1421 1 SO 0 PRES C SHRD

JUSOLID 1016 1421 1 SO 0 PRES C SHRD

JUSOLID 1016 1421 1 SO 0 PRES C SHRD

JUSOLID 1016 1421 1 SO 0 PRES C SHRD

JUSOLID 1016 1421 1 SO 0 PRES C SHRD

JUSOLID 1016 1421 1 SO 0 PRES C SHRD

JUSOLID 1021 1426 1 SO 0 PRES C SHRD

JUSOLID 1036 1441 1 SO 0 PRES C SHRD

JUSOLID 1046 1456 1 SO 0 PRES C SHRD

JUSOLID 1046 1456 1 SO 0 PRES C SHRD

JUSOLID 1056 14461 1 SO 0 PRES C SHRD

JUSOLID 1056 14461 1 SO 0 PRES C SHRD

JUSOLID 1056 1476 1 SO 0 PRES C SHRD

JUSOLID 1056 1486 1 SO 0 PRES C SHRD

JUSOLID 1056 1486 1 SO 0 PRES C SHRD

JUSOLID 1056 1486 1 SO 0 PRES C SHRD

JUSOLID 1071 1476 1 SO 0 PRES C SHRD

JUSOLID 1071 1476 1 SO 0 PRES C SHRD

JUSOLID 1071 1478 1 SO 0 PRES C SHRD

JUSOLID 1071 1478 1 SO 0 PRES C SHRD

JUSOLID 1071 1478 1 SO 0 PRES C SHRD

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JUSOLID 1071 1478 1 SO 0 PRES C SHRD

JUSOLID 1071 1478 1 SO 0 PRES C SHRD

JUSOLID 1071 1471 1471 150 0 PRES C SHRD

JUSOLID 1071 1471 1471 150 0 PRES C SHRD

JUSOLID 1071 1471 1471 150 0 PRES C SHRD

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JUSOLID 1071 1471 1471 150 0 PRES C SHRD

JUSOLID 1071 1471 1471 150 0 PRES C SHRD

JUSOLID 1071 1471 1471 150 0 PRES C SHRD

JUSOLID 1071 1471 1471 150 0 PRES C SHRD
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	22-NOV-88 06 47 Page 19
RULE 5 1 IJNAME 1001 1091 HIGH SHRD	
TUNAME 1001 1091 HIGH SHRD USOLID 0 0 1 USOLID 1001 1406 1 SO 0 PRES A SHRD	
USDLID	
IJSOLID 1016 1421 1 SO 0 PRES D SHRD IJSOLID 1021 1426 1 SO 0 PRES E SHRD	,
IJSOLID 1026 1431 1 SO 0 PRES F SHRD IJSOLID 1031 1436 1 SO 0 PRES R SHRD IJSOLID 1036 1441 1 SO 0 PRES R SHRD	
USOLID 1031 1436 1 50 0 PRES H SUBD USOLID 1036 1441 1 50 0 PRES H SUBD USOLID 1041 1446 1 50 0 PRES I SUBD	
IUSOLĪD 1046 1451 1 ŠÕ 0 PRĒŠ U ŠHRŌ IUSOLĪD 1051 1456 1 SO 0 PRĒS K SHRŌ	
1501 10 1456 1 50 0 9813 X 380	
I JSÖL TÖ 1066 1471 1 SÖ 0 PRES N SHRÖ I JSÖL TÖ 1071 1476 1 SÖ 0 PRES Ö SHRÖ I JSÖL TÖ 1076 1481 1 SÖ 0 PRES P SHRÖ	
1 1 1 1 1 1 1 1 1 1	
IJŠÖLĪD 1081 1486 1 ŠÖ 0 PRĒŠ Q ŠHRÖ IJŠÖLĪD 1086 1491 1 ŠO 0 PRĒŠ R ŠHRD IJŠÖLĪD 1401 1210 1 SO 0 PRĒŠ S ŠHRD	
1 S T T T T T T T T T T T T T T T T T T	
#MESH 12	·
MSYE'1 SLINES 1212711528-5 10037106385 1212 LIGRID 1	
SLINES 1222T1234 1121T1109B-1 1222 RULE 3 1 TUSOLTD 0 0 1 TUSOLTD 1401 1234 1 SO 0 PRES S SHRD	
[JS0LID 0 0 1 JS0LID 1401 1234 1 SD 0 PPFS S SHPD	
MERCE MESH 11 WHESH 13 MSYS_1	
- SLINES 1893 1359112578-6 1234112228-1 11091112181 10691109986 (224 145	
PI INE 1088 1098 1093 I JGR ID 1 SI INES 1094 1360T12588-6 1213T11538-5 1004T108985 1024 1183	
SLINES 1094 1360712588-6 1213T11538-5 1004T108985 1034 1183 PLINE 1089 10 1094 RULE 5 1 TJNAME 1001 1091 HIGH SHRD	
TUNAME 1001 1091 HIGH SHRD	
IJSOLID 0 0 1 1	
TUSOL ID 1001 1406 1 SO 0 PRES A SHRD TUSOL ID 1006 1411 1 SO 0 PRES B SHRD TUSOL ID 1011 1416 1 SO 0 PRES C SHRD TUSOL ID 1011 1416 1 SO 0 PRES D SHRD	
IUSOLID 1021 1426 1 SO 0 PRES E SHRD	
1.50.15 1036 1431 1 50 0 PRES F SHED 1.50.15 1031 1436 1 50 0 PRES G SHED 1.55.15 1036 1441 1 50 0 PRES H SHED	
JSQL ID 1041 1446 1 SO 0 PRES I SHRD	
1350 10 1846 1451 1 50 0 PRES V SIRO	
* IMPDO3 CRY C Directory SAM DISK FRONG SSME IMP OUTI	22.MVV. 88 AS 47 Base 20
* IMPDO3 CRY : Directory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Page 20
	22-NOV-88 06 47 Page 20
USCLID 1056 1461 1 SO 0 PRES L SHRD USCLID 1061 1466 1 SO 0 PRES M SHRD USCLID 1066 1471 1 SO 0 PRES M SHRD USCLID 1071 1476 1 SO 0 PRES 0 SHRD USCLID 1076 1481 1 SO 0 PRES 0 SHRD USCLID 1076 1481 1 SO 0 PRES 0 SHRD USCLID 1081 1486 1 SO 0 PRES 0 SHRD USCLID 1086 1491 1 SO 0 PRES R SHRD USCLID 1086 1491 1 SO 0 PRES R SHRD USCLID 1041 1210 1 SO 0 PRES SHRD USCLID 1401 1210 1 SO 0 PRES SHRD USCLID 1401 1210 1 SO 0 PRES SHRD USCLID 1401 1210 1 SO 0 PRES SHRD USCLID 1401 1210 1 SO 0 PRES SHRD USCLID 1401 1210 1 SO 0 PRES SHRD USCLID 1401 1401 1210 1 SO 0 PRES SHRD USCLID 1401	22-NOV-88 06 47 Page 20
USCLID 1056 1461	22-NOV-88 06 47 Page 20
USCLID	22-NOV-88 06 47 Page 20
USCLID	22-NOV-88 06 47 Page 20
USCILID 1056 1466 1 SO 0 PRES L SHRD USCILID 1061 1466 1 SO 0 PRES M SHRD USCILID 1061 1476 1 SO 0 PRES M SHRD USCILID 1071 1476 1 SO 0 PRES N SHRD USCILID 1071 1476 1 SO 0 PRES N SHRD USCILID 1076 1481 1 SO 0 PRES N SHRD USCILID 1076 1481 1 SO 0 PRES N SHRD USCILID 1081 1486 1 SO 0 PRES N SHRD USCILID 1401 1210 1 SO 0 PRES N SHRD USCILID 1401 1210 1 SO 0 PRES N SHRD WESH 1 MERGE MESH 1	22-NOV-88 06 47 Page 20
SCILID 1056 1466 1 SO 0 PRES SHRD IJSDLID 1066 1466 1 SO 0 PRES M SHRD IJSDLID 1066 1471 1 SO 0 PRES M SHRD IJSDLID 1071 1476 1 SO 0 PRES N SHRD IJSDLID 1076 1481 1 SO 0 PRES N SHRD IJSDLID 1081 1486 1 SO 0 PRES N SHRD IJSDLID 1086 1491 1 SO 0 PRES N SHRD IJSDLID 1401 1210 1 SO 0 PRES SHRD MESH 1 MERGE MESH 1 12	22-NOV-88 06 47 Page 20
SCILID 1056 1466 1 SO 0 PRES SHRD IJSOLID 1066 1466 1 SO 0 PRES M SHRD IJSOLID 1066 1471 1 SO 0 PRES N SHRD IJSOLID 1071 1476 1 SO 0 PRES 0 SHRD IJSOLID 1071 1476 1 SO 0 PRES 0 SHRD IJSOLID 1081 1486 1 SO 0 PRES 0 SHRD IJSOLID 1081 1486 1 SO 0 PRES SHRD IJSOLID 1401 1210 1 SO 0 PRES SHRD IJSOLID 1401 1210 1 SO 0 PRES SHRD MESH 1 MERGE MESH 11 12 MESH 1 MESH 1 12 IJSOLID 1211 124 1 SO 0 PRES SHRD IJSOLID 1001 124 1 SO 0 PRES SHRD IJSOLID 1001 124 1 SO 0 PRES SHRD MESH 1 MESH 11 MESH 1 MESH 11 124 1 SO 0 PRES SHRD MESH 1 MERGE MESH 13 MESH 1 MERGE MESH 13 MESH 1 MERGE MESH 13 MESH 1 MERGE MESH 13 MESH 1 MERGE MESH 13 MESH 1 MERGE MESH 13 MESH 1 MERGE MESH 15 MESH 1 MERGE MESH 13 MESH 1 MERGE MESH 13 MESH 1 MERGE MESH 13 MESH 1 MERGE MESH 13 MESH 1 MERGE MESH 13 MESH 1 MERGE MESH 13 MESH 1 MERGE MESH 13 MESH 1 MERGE MESH 15 MESH 1 MERGE MESH 13 MESH 1 MERGE MESH 15 MESH 1 MERGE MESH 15 MESH 1 MERGE MESH 13 MERGE MESH 13 MERGE MESH 13 MERGE MESH 13 MERGE MESH 13 MERGE MESH 13 MERGE MESH 13	
SSCLID	
USCILID 1056 1461 SO 0 PRES SHRD USCILID 1061 1466 SO 0 PRES M SHRD USCILID 1061 1466 SO 0 PRES M SHRD USCILID 1071 1476 SO 0 PRES SHRD USCILID 1071 1476 SO 0 PRES SHRD USCILID 1076 1481 SO 0 PRES SHRD USCILID 1081 1486 SO 0 PRES SHRD USCILID 1086 1491 SO 0 PRES SHRD USCILID 1401 1210 SO 0 PRES SHRD MESH 1	
SSCLID 1056 1461 SO 0 PRES SHRD IJSOLID 1061 1466 SO 0 PRES M SHRD IJSOLID 1061 1471 SO 0 PRES M SHRD IJSOLID 1071 1476 SO 0 PRES O SHRD IJSOLID 1071 1476 SO 0 PRES O SHRD IJSOLID 1081 1486 SO 0 PRES O SHRD IJSOLID 1081 1486 SO 0 PRES O SHRD IJSOLID 1081 1486 SO 0 PRES SHRD IJSOLID 1401 1210 SO 0 PRES SHRD MESH 14	
SSCIID 1056 1461 SO 0 PRES SHRD IJSOLID 1061 1466 SO 0 PRES M SHRD IJSOLID 1061 1471 SO 0 PRES N SHRD IJSOLID 1071 1476 SO 0 PRES O SHRD IJSOLID 1071 1476 SO 0 PRES O SHRD IJSOLID 1081 1486 SO 0 PRES O SHRD IJSOLID 1081 1486 SO 0 PRES O SHRD IJSOLID 1401 1210 SO 0 PRES SHRD IJSOLID 1401 1210 SO 0 PRES SHRD MESH 1	
SSCIID 1056 1461 SO 0 PRES SHRD IJSOLID 1061 1466 SO 0 PRES M SHRD IJSOLID 1061 1471 SO 0 PRES N SHRD IJSOLID 1071 1476 SO 0 PRES O SHRD IJSOLID 1071 1476 SO 0 PRES O SHRD IJSOLID 1081 1486 SO 0 PRES O SHRD IJSOLID 1081 1486 SO 0 PRES O SHRD IJSOLID 1401 1210 SO 0 PRES SHRD IJSOLID 1401 1210 SO 0 PRES SHRD MESH 1	
SCLID	
USOLID 1056 1461 SO 0 PRES L SHRD USOLID 1050 1611 1056 1471 SO 0 PRES N SHRD USOLID 1071 1476 SO 0 PRES 0 SHRD USOLID 1071 1476 SO 0 PRES 0 SHRD USOLID 1076 1481 SO 0 PRES 0 SHRD USOLID 1081 1486 SO 0 PRES 0 SHRD USOLID 1081 1486 SO 0 PRES SHRD USOLID 1081 1486 SO 0 PRES SHRD USOLID 1081 1486 SO 0 PRES SHRD USOLID 1401 1210 SO 0 PRES SHRD USOLID 1401 1210 SO 0 PRES SHRD USOLID 1401 1210 SO 0 PRES SHRD USOLID 1401 1210 SO 0 PRES SHRD USOLID 1611 16	
SSCIID 1056 1466 SO 0 PRES SHRD IJSOLID 1066 1466 SO 0 PRES M SHRD IJSOLID 1076 1476 SO 0 PRES M SHRD IJSOLID 1077 1476 SO 0 PRES O SHRD IJSOLID 1071 1476 SO 0 PRES O SHRD IJSOLID 1081 1486 SO 0 PRES O SHRD IJSOLID 1081 1486 SO 0 PRES O SHRD IJSOLID 1401 1210 SO 0 PRES SHRD IJSOLID 1401 1210 SO 0 PRES SHRD IJSOLID 1401 1210 SO 0 PRES SHRD MESH 1	
SSCIID 1056 1466 SO 0 PRES SHRD IJSOLID 1066 1466 SO 0 PRES M SHRD IJSOLID 1076 1476 SO 0 PRES M SHRD IJSOLID 1077 1476 SO 0 PRES O SHRD IJSOLID 1071 1476 SO 0 PRES O SHRD IJSOLID 1081 1486 SO 0 PRES O SHRD IJSOLID 1081 1486 SO 0 PRES O SHRD IJSOLID 1401 1210 SO 0 PRES SHRD IJSOLID 1401 1210 SO 0 PRES SHRD IJSOLID 1401 1210 SO 0 PRES SHRD MESH 1	
SSCLID 1056 1461 SO 0 PRES SHRD SSOLID SOLID SOLID SOLID SOLID SOLID SOLID SHRES SHRD SHRD SHRD SHRD SHRD SHRD SHRD SHRD SHRD SSOLID SOLID SOLID SOLID SOLID SOLID SOLID SOLID SOLID SHRES SHRD SHRD SHRD SHRD SSOLID SOLI	5
: SSCLID '056 '461' SQ 0 PRES L SHRD : ISOLITO 1061 1466 SQ 0 PRES M SHRD USOLITO 1071 1476 SQ 0 PRES M SHRD USOLITO 1071 1476 SQ 0 PRES Q SHRD USOLITO 1071 1476 SQ 0 PRES Q SHRD USOLITO 1076 1481 SQ 0 PRES Q SHRD USOLITO 1086 1491 SQ 0 PRES R SHRD USOLITO 1086 1491 SQ 0 PRES R SHRD USOLITO 1086 1491 SQ 0 PRES R SHRD USOLITO 1401 1210 SQ 0 PRES R SHRD MESH 1 MERGE MESH 11 12 MESH 14 SLINES 1183T11538-5 1004T103485 1183 USOLITO 10 0 USOLITO 10 0	5

A 480

* IMPDO3 CRY; 1 Directory SAM_DISK [FONG.SSME.IMP OUT]	22-NOV-88 06 47 Pag
PLINE 1090 1100 1095 LIGRID 1 SLINES 1148 1362712608-6 1254712428-1 113071147 PLINE 1147 1149 1148	
SLINE 1147 1149 1148 1148 1148 1149 1149 1149 1149	
MESH 1 MERGE MESH 15 VVANES	
#MESH 17 MSYS 1 SLINES 1002T103285 186T1568-5 1002 LOGRID 1	
SLINES 1101T1107 266T260B-1 1101	
RULE 3 1 REFINE 0 0 2 0 IJSOLID 0 0 1	
REFINE 0 0 2 0 USOLID 159 1010 1 S0 0 PRES A VAND USOLID 164 1015 1 S0 0 PRES B VAND USOLID 164 1020 1 S0 0 PRES B VAND USOLID 164 1020 1 S0 0 PRES C VAND USOLID 169 1020 1 S0 0 PRES C VAND	
TOSULTO 1/8 1030 1 SU O PREZ E VAND	
MERGE MESH 1 2 9 10 17	
MSYS 1	
STAKES 1003T1063B5 217T157B-5 1003 TUGRID 1 SLINES 1109T1121 279T267B-1 1109 RULE 3 1	
REFINE 0 0 2 0	
IJSQLID 159 1010 1 SO 0 PRES A VANB IJSQLID 164 1015 1 SO 0 PRES B VANB IJSQLID 169 1020 1 SQ 0 PRES C VANB IJSQLID 174 1025 1 SQ 0 PRES D VANB	
USOLID	
USOLID	
USOL ID	
TUSOL 10 209 1060 1 50 0 PRES K VANE TUSOL 10 214 1065 1 SO 0 PRES L VANE MESH 3 4 11 12 18	
MESH 19 MSYS 1 SLINES 1004T1034B5 188T158B-5 1004	
TIGRID (122T1128 286T280B-1 1122	
RULE 3	
* IMPD03 CRY.1 Directory SAM_DISK [FONG SSME IMP OUT] REFINE 0 0 2 0	22-NOV-88 06 47 Pag
1.1501 10 0 0 1	
USOLID	
MFCH 3	
MEGE MESH 5 6 13 14 19 MMESH 20 MSYS 1	
SLINES 1005T109085 244T1598-5 1005 LIGN D 1 SLINES 1130T1147 304T2878-1 1130	
RULE 3 1	·
1050 10 0 0 1	
USOLID	
TUSOUTO 188 1040 1 SO O BOSE O MANA	
IUSQLID 209 1060 1 SO 0 PRES K VANA IUSQLID 214 1065 1 SO 0 PRES L VANA IUSQLID 219 1070 1 SO 0 PRES M VANA IUSQLID 224 1075 1 SO 0 PRES M VANA IUSQLID 229 1080 1 SO 0 PRES N VANA	
ILSOLID 234 1085 1 50 0 PRES P VANA IJSOLID 239 1090 1 SO 0 PRES Q VANA MESH 3 MERGE MESH 7 8 15 16 20 WHIR CENTER	·
SLINES 314T329 314 317 322 323 328 317 PRISM 5 3MO 3 12 341 PRISM 9 3MO 3 29 478 PRISM 13 3MO 3 42 341 PRISM 13 3MO 3 42 341 PRISM 17 3MO 3 54 515 PRISM 19 3MO 3 59 515	
PRISM 13 3MO 3 42 341 PRISM 17 3MO 3 54 515 PRISM 19 3MO 3 54 515	
1 USOL 1D 326 336 1 SO 0 TORO IPUT	
PRISM 19 3MO 3 59 515 LISOL ID 0 0 1 LISOL ID 326 336 1 SO 0 TORO IPUT LISOL ID 326 336 1 SO 0 TORO OPUT KNAME 322 322 1 KNAME 324 325 2 18 AXIS SUPP HUB KNAME 0 0 1 1 SIDE ONE HUB KNAME 0 0 19 19 SIDE TWO HUB MESH 3 ROTATE - 149 515 3	
YNAME O O 1 1 STOR ONE WIR	
KNAME O O 19 19 SIDE TWO HUB MESH 3	

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* IMPDO3 CRY; 1 Directory SAM_DISK [FONG SSME IMP OUT]	
# INSERT INTO MSET 11-14 FOR SYMMETRIC LOADING	22-NOV-88 06 47 Page 2
MSET 11 TINSE NAME PRES B VANA MSET 12 COPY NAME PRES A VANB	
MSET 13 COPY NAME PRES B VANB MSET 13 COPY NAME PRES A VANC MSET 13 TURE NAME BORE B VANE	
# INSERT INTO MSET 11-14 FOR SYMMETRIC LOADING MSET 11 CAPY NAME PRES A VANA MSET 12 COPY NAME PRES B VANB MSET 12 COPY NAME PRES B VANB MSET 12 INSE NAME PRES B VANC MSET 13 CAPY NAME PRES B VANC MSET 14 COPY NAME PRES B VANC MSET 14 COPY NAME PRES B VANC MSET 14 COPY NAME PRES B VANC MSET 14 INSE NAME PRES B VANC MSET 14 INSE NAME PRES B VANC	
NLIST 1 INSERT NAME STOP ONE	!
W MESH 22 W SECOND IDENTICAL MODEL	
JITTO MESH 1721 # INSERT INTO MSET 21-24 FOR ANTISYMMETRIC LOADING MSFT 21 CORY NAME DOCS A MANA	
MSET 21 INSE NAME PRES 8 VANA MSET 21 DELE MSET 11	
NLIST 2 INSERT NAME SIDE TWO # MESH 22 # MESH 22 INTO MESH 1721 # INSERT INTO MEST 21-24 FOR ANTISYMMETRIC LOADING # INSERT INTO MEST 21-24 FOR ANTISYMMETRIC LOADING MSET 21 COPY NAME PRES A VANA MSET 21 INSE NAME PRES B VANA MSET 22 COPY NAME PRES A VANB MSET 22 COPY NAME PRES A VANB MSET 22 INSE NAME PRES B VANB MSET 22 INSE NAME PRES B VANB MSET 22 INSE NAME PRES B VANB MSET 22 DELE MSET 12	
MSET 23 COPY NAME PRES A VANC MSET 23 INSE NAME PRES R VANC	
MSET 23 DELE MSET 13 MSET 24 COPY NAME PRES A VAND MSET 24 TINE NAME PRES B VAND MSET 24 TINE NAME PRES B VAND MSET 24 DELE MSET 14	
NSET 3 COPY NAME SIDE ONE NSET 4 DELE MESH 1721 NSET 4 DELE MESH 1721 NLIST 3 INSERT NSET 3 NLIST 4 INSERT NSET 4	
NSET 4 DELE MESH 1721 NLIST 3 INSERT MSET 3	
#BOUNDARY CONDITIONS SET SYNTAX ON LET SANG = 60	
LET &ANG = 60 GENSKEW 1 1 0 &ANG 0 1 NODSKEW SKEW 1 NLIST 2 NOT & SIPN = %IFL(NLST NV 0 1) LET &IRN1 = %IFL(NLST NV 0 1) LET &IRN1 = %LFM(&IFN1 1) LET &IRN2 = %IFL(NLST NV 0 2) LET &IFN2 = %IFL(NLST NV 0 3) LET &IFN3 = %IFL(NLST NV 0 3) LET &IFN4 = %IFL(NLST NV 0 3) LET &IFN4 = %IFL(NLST NV 0 3) LET &IFN4 = %IFL(NLST NV 0 3)	
LET & IFN1 = % IFL(NLST NV 0 1) LET & IFN1 = % LFM(& IFN1 1) LET & IFN2 = % IFL(NLST NV 0 2)	
LET SIENS = %LEM(SIENZ 1) LET SIENS = %IFL(NLST NV 0 3)	
LET & IFNA = %IFL(NLST NV O 4) LET & IFNA = %IFL(NLST NV O 4)	
TET SIRNA - ELFH(SIENA 1) DC 10 SI - 2000 1 ET SN - SIBC SIRN SI FESN' 20 20 1	
FT SN2 * VIOCS (AIDNO AI)	
LET SN3 = \$18C(1S1RN3 \$1)	
LET SN3 - STBC-1/3 IRN3 31	
LET SNS - SIBCII SIRNS SI	
IMPDO3 CRY: 1 Directory SAM DISK IFAMA SOME IND MITT	
IMPDO3 CRY: 1 Directory SAM DISK IFAMA SOME IND MITT	22-NOV-88 06 47 Page 24
IMPDO3 CRY: 1 Directory SAM DISK IFAMA SOME IND MITT	
IMPDO3 CRY: 1 Directory SAM DISK IFAMA SOME IND MITT	
* IMPDO3 CRY:1 Directory SAM_DISK [FONG SSME IMP OUT] LET SN4 * * IBC118 IRN4 SI* # IF C1 * -C2 SYMMETRIC-SYMMETRIC BC 3E CCON 2 SN1 SN2 2 2 -1 -C2 -1 0 0E9 3E CCON 2 SN1 SN2 3 3 -C1 -C2 -1 0 0E9 3E CCON 2 SN1 SN2 3 3 -C1 -C2 -1 0 0E9 # IF C1 * C2 ANTISYMETRIC-ARTISYMETRIC BC 3E CCON 2 SN3 SN4 1 C1 C2 C1 0 0E9 # IF C1 * C2 ANTISYMETRIC-ARTISYMETRIC BC 3E CCON 2 SN3 SN4 1 C1 -C2 0 0E9 GENCON 2 SN3 SN4 2 2 -C1 -C2 0 0E9 GENCON 2 SN3 SN4 2 2 -C1 -C2 0 0E9 GENCON 2 SN3 SN4 2 3 -C1 -C2 0 0E9 GENCON 2 SN3 SN4 2 3 -C1 -C2 0 0E9	
* IMPDO3 CRY:1 Directory SAM_DISK [FONG SSME IMP OUT] LET SN4 * SIBC1(8)RN4 81 # IF 21 * -C2 SYMMETRIC-SYMMETRIC BC SECON 2 SN1 SN2 1 2 2 3 1 -C2 1 0 10E9 SECON 2 SN1 SN2 3 3 -01 1 -C2 1 0 10E9 SECON 2 SN1 SN2 3 3 -01 1 -C2 1 0 10E9 SECON 2 SN1 SN2 3 3 -01 1 -C2 1 0 10E9 SECON 2 SN3 SN4 1 1 -C1 1 -C2 1 0 10E9 SECON 2 SN3 SN4 2 2 -C1 1 -C2 1 0 10E9 SECON 2 SN3 SN4 3 3 -C1 1 -C2 1 0 10E9 SECON 2 SN3 SN4 3 3 -C1 1 -C2 1 0 10E9 SECON 2 SN3 SN4 3 3 -C1 1 -C2 1 0 10E9	
* IMPDO3 CRY:1 Directory SAM_DISK [FONG SSME IMP OUT] LET SN4 * SIBC1(8)RN4 81 # IF 21 * -C2 SYMMETRIC-SYMMETRIC BC SECON 2 SN1 SN2 1 2 2 3 1 -C2 1 0 10E9 SECON 2 SN1 SN2 3 3 -01 1 -C2 1 0 10E9 SECON 2 SN1 SN2 3 3 -01 1 -C2 1 0 10E9 SECON 2 SN1 SN2 3 3 -01 1 -C2 1 0 10E9 SECON 2 SN3 SN4 1 1 -C1 1 -C2 1 0 10E9 SECON 2 SN3 SN4 2 2 -C1 1 -C2 1 0 10E9 SECON 2 SN3 SN4 3 3 -C1 1 -C2 1 0 10E9 SECON 2 SN3 SN4 3 3 -C1 1 -C2 1 0 10E9 SECON 2 SN3 SN4 3 3 -C1 1 -C2 1 0 10E9	
* IMPDO3 CRY:1 Directory SAM_DISK [FONG SSME IMP OUT] LET SN4 * SIBC1(8)RN4 81 # IF 21 * -C2 SYMMETRIC-SYMMETRIC BC SECON 2 SN1 SN2 1 2 2 3 1 -C2 1 0 10E9 SECON 2 SN1 SN2 3 3 -01 1 -C2 1 0 10E9 SECON 2 SN1 SN2 3 3 -01 1 -C2 1 0 10E9 SECON 2 SN1 SN2 3 3 -01 1 -C2 1 0 10E9 SECON 2 SN3 SN4 1 1 -C1 1 -C2 1 0 10E9 SECON 2 SN3 SN4 2 2 -C1 1 -C2 1 0 10E9 SECON 2 SN3 SN4 3 3 -C1 1 -C2 1 0 10E9 SECON 2 SN3 SN4 3 3 -C1 1 -C2 1 0 10E9 SECON 2 SN3 SN4 3 3 -C1 1 -C2 1 0 10E9	
* IMPDØ3 CRY: 1 Directory SAM_DISK [FONG SSME IMP OUT] LET SNA	
* IMPDÓ3 CRY: 1 Directory SAM_DISK [FONG SSME IMP OUT] LET 3N4	
* IMPDØ3 CRY: 1 Directory SAM_DISK [FONG SSME IMP OUT] LET SNA	
* IMPDØ3 CRY: 1 Directory SAM_DISK [FONG SSME IMP OUT] LET SNA	
* IMPDØ3 CRY: 1 Directory SAM_DISK [FONG SSME IMP OUT] LET SNA	
* IMPDO3 CRY: 1 Directory SAM_DISK [FONG SSME IMP OUT] LET \$N4 * \$IBC1(airn4 \$1)	
* IMPDO3 CRY: 1	
* IMPDO3 CRY: 1	
* IMPDO3 CRY: 1	
- TMPDO3 CRY: 1 Directory SAM_DISK [FONG SSME IMP OUT] LET SN4 * \$IBC: (SIRMA SI)	
- TMPDO3 CRY: 1 Directory SAM_DISK [FONG SSME IMP OUT] LET SN4 * \$IBC: (SIRMA SI)	
* IMPDO3 CRY: 1	
* IMPDO3 CRY: 1	
- TMPDO3 CRY: 1 Directory SAM_DISK [FONG SSME IMP OUT] LET SN4 * \$IBC: (SIRMA SI)	

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. IMPD03 CRY:1
                                                                        Directory SAM_DISK [FONG SSME IMP OUT]
                                                                                                                                                                                                                                                                                                                                                                  22-NOV-88 06 47
  START 500000
MASS 0 # LUMP MASS NEEDED FOR BODY FORCE IN LOAD
STOR
$ LOAD
START 500000
START 500000
START 500000
        SYNTAX ON INPUT VARIABLES
                         $RPM = 37342

$VANE = 13

$SEGM = 6

$RATI = 3

$PRES = -24
                                                                          S FREQUENCY IN RPM
S NUMBER OF VANES
S NAMBER OF SEGMENTS
S RATIO ON UNLOAD TIME TO LOAD TIME
S PRESSURE ON VANES (PSI)
  S SYMMETRY
DATA SA
                                                 0 16667 $ MAX AMPLITUDE SEGMENT "1" (FULL VANE)
0 16667 $ MAX AMPLITUDE SEGMENT "6" (FULL VANE)
0 16667 $ MAX AMPLITUDE SEGMENT "5" (FULL VANE)
0 16667 $ MAX AMPLITUDE SEGMENT "3" (FULL VANE)
0 16667 $ MAX AMPLITUDE SEGMENT "2" (FULL VANE)
   DATA
  S
DATA
DATA
DATA
DATA
                          $81(1)
$81(2)
$81(3)
$81(4)
$81(5)
$81(6)
                                                                          S MAX AMPLITUDE SEGMENT "6"
S MAX AMPLITUDE SEGMENT "5"
S MAX AMPLITUDE SEGMENT "4"
S MAX AMPLITUDE SEGMENT "2"
S MAX AMPLITUDE SEGMENT "2"
S MAX AMPLITUDE SEGMENT "1"
                                                        16667
16667
16667
16667
 S
DATA
DATA
DATA
DATA
DATA
                                                 0 16667 $ MAX AMPLITUDE SEGMENT "3"
0 16667 $ MAX AMPLITUDE SEGMENT "2"
0 16667 $ MAX AMPLITUDE SEGMENT "1"
0 16667 $ MAX AMPLITUDE SEGMENT "6"
0 16667 $ MAX AMPLITUDE SEGMENT "5"
0 16667 $ MAX AMPLITUDE SEGMENT "4"
                                                                                                                                                                (2ND PARTIAL VANE -
2ND PARTIAL VANE -
2ND PARTIAL VANE -
2ND PARTIAL VANE -
2ND PARTIAL VANE -
2ND PARTIAL VANE -
 $ ANTISYMMETRY
DATA $A2(1)
DATA $A2(3)
DATA $A2(3)
DATA $A2(5)
DATA $A2(5)
DATA $A2(5)
                                             0 16667 $ MAX AMPLITUDE SEGMENT "1"

-0 16667 $ MAX AMPLITUDE SEGMENT "6"

-0 16667 $ MAX AMPLITUDE SEGMENT "5"

-0 16667 $ MAX AMPLITUDE SEGMENT "4"

0 16667 $ MAX AMPLITUDE SEGMENT "4"

-0 16667 $ MAX AMPLITUDE SEGMENT "2"
                                                                                                                                                                FULL
FULL
FULL
FULL
    * IMPD03 CRY;1
                                                                       Directory SAM_DISK [FONG SSME IMP OUT]
                                                                                                                                                                                                                                                                                                                                                                22-NOV-88 06 47
                         $C2(1) 0 18867 $ MAX AMPLITUDE SEGMENT "3" (2ND PARTIAL VANE $C2(2) -0 18667 $ MAX AMPLITUDE SEGMENT "2" (2ND PARTIAL VANE $C2(4) -0 18667 $ MAX AMPLITUDE SEGMENT "1" (2ND PARTIAL VANE $C2(4) -0 18667 $ MAX AMPLITUDE SEGMENT "6" (2ND PARTIAL VANE $C2(6) -0 18667 $ MAX AMPLITUDE SEGMENT "5" (2ND PARTIAL VANE $C2(6) -0 18667 $ MAX AMPLITUDE SEGMENT "4" (2ND PARTIAL VANE
 DATA
DATA
DATA
DATA
DATA
DATA
                        $02(1) 0 16667 $ MAX AMPLITUDE $EGMENT "3" (2ND PARTIAL VANE - B) $02(2) -0 16667 $ MAX AMPLITUDE $EGMENT "2" (2ND PARTIAL VANE - B) $02(3) 0 16667 $ MAX AMPLITUDE $EGMENT "1" (2ND PARTIAL VANE - B) $02(4) -0 16667 $ MAX AMPLITUDE $EGMENT "6" (2ND PARTIAL VANE - B) $02(5) 0 16667 $ MAX AMPLITUDE $EGMENT "5" (2ND PARTIAL VANE - B) $02(6) -0 16667 $ MAX AMPLITUDE $EGMENT "4" (2ND PARTIAL VANE - B) $02(6) -0 16667 $ MAX AMPLITUDE $EGMENT "4" (2ND PARTIAL VANE - B)
    CALCULATE FORCE TIME HISTORIES
                        SFREQ = SRPM / 60
ST = 1 / SFREQ
STV = ST SVANE
STS = STV SSEGM
                                                                                                S FREQUENCY IN HZ
S PERIOD IN SECS
S PERIOD FOR ONE VANE
S PERIOD FOR ONE SEGMENT BETWEEN VANES
                        &TOF1 = &TS = 0

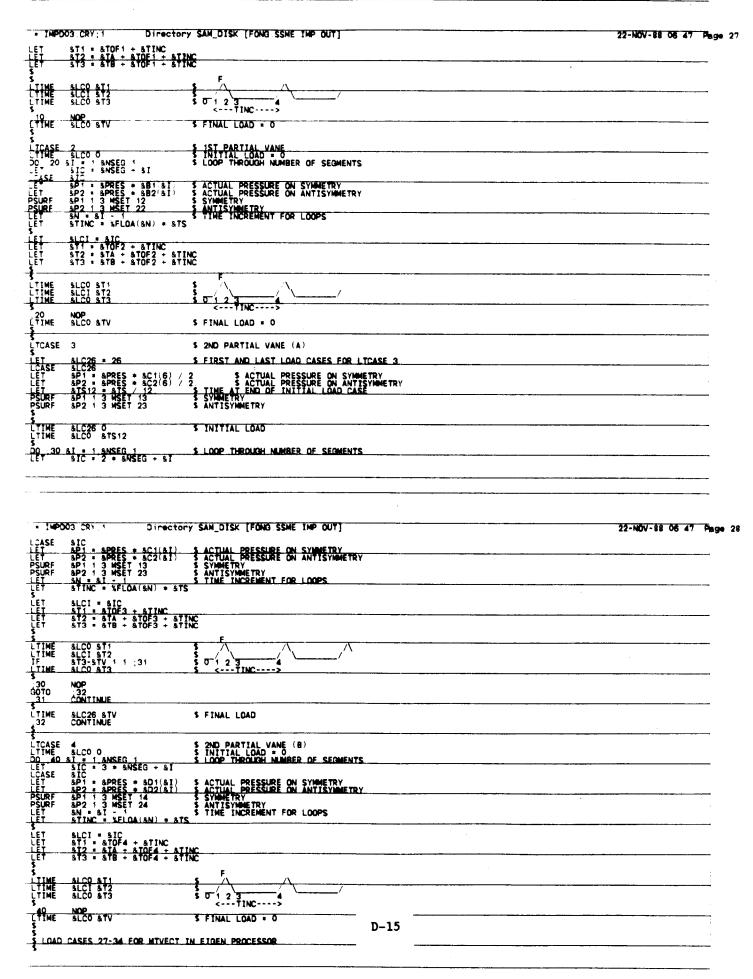
&TOF2 = &TS = 0 50

$TOF3 = &TS = 0 75

&TOF4 = &TS = 0 25
                         <u>RTB = RTS / ARATI</u>
RTA = RTB / 2
RNSEG = %IFIX(RSEGM)
                                                                                                $ LOADING & LINE DADING TIME
$ LOADING TIME
 ŠTORE
                                                                                                  S SAVE TIME VARIABLES FOR SOLVE PROCESSOR
                        %LC0 = 25
%LC0
0 3 NODE=1
LET
LCASE
                                                                                                  $ LOAD CASE ZERO (25) = ZERO LOADS
LTCASE
DO : 10
LCASE
                                                                                                 $ FULL VANE
$ LOOP THROUGH NUMBER OF SEGMENTS.
                    S ACTUAL PRESSURE ON SYMMETRY
S ACTUAL PRESSURE ON ANTISYMMETRY
S SYMMETRY
S ANTISYMMETRY
S TIME INCREMENT FOR LOOPS
                       &N = &I - 1
&TINC = %FLOA(&N) + &TS
                                                                                                                                                                                                      D-14
                        SLCI - &I
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* IMPD03 CRY;1 Dire	ctory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 P
CASE 27 SURF 1 1 3 MSET 11 CASE 28 SURF 1 1 3 MSET 12 CASE 29		22-1000-08 00 47 P
ASE 28 SURF 1 1 3 MSET 12		
ASE 29 URE 1 1 3 MSET 13		
ASE 30 URF 1 1 3 MSET 14		
ASE 30 1 3 MSET 13 ASE 30 1 3 MSET 14 ASE 31 URF 1 1 3 MSET 21 ASE 32 1 3 MSET 22 ASE 33 1 1 3 MSET 22 ASE 33 1 1 3 MSET 22 ASE 34 1 3 MSET 23 ASE 34 1 3 MSET 23		
ASE 32 SURF 1 1 3 MSET 22		
ASE 33 URE 1 1 3 MSET 23 ASE 34		
ASE 34 URF 1 1 3 MSET 24		
SIGN IPLT=2	S PRINTOUT LOAD TIME HISTORY	
AD OP OF OF OF OF OF OF OF OF OF OF OF OF OF		
ART 500000		
LVE		
IGEN ART 1500000 2500		
ART 1500000 2500 SIGN RAT=1 001 ISL=LAN DES 50000		
GEN DIAG VECT 27T34		
IGEN 1500000 2500 SIGN RAT=1 001 ISL=LAN DES 50000 GEN D1AG VECT . 27734 ADPF - TILITY ART 200000		
ΓΊΙΙΤΥ ART 200000		
Y MATL EV ? ? TOT COM	Y ELEM EV ? ? [3] Y X NV ? ? [3] Y RDF NV ? ? [3] Y DDF NV ? ? [3]	
PY INTO EV 2 2 3 COPY	Y X NV ? ? [3]	
PY ROT NV ? ? 31 COP)	7 DOF NV: 2 2 131 7 TER EV 2 3 131	
PY MATL EV ? ? ? 3 COPY PY INTO EV ? ? 3 COPY PY NORM NV ? ? ! 3 COPY PY ROT NV ? ? ! 3 COPY PY IR NV ? ? ! 3 COPY PY LCS NV ? ? ! 3 COPY PY SDF NV ? ? ! 3 COPY PY MAKE EV ? ? ! 3 COPY PY MAKE EV ? ? ! 3 COPY PY MCSH HED 0 ? 3 COPY PY CON RM DIR ? ? [3] COPY PY PCT HED ? ? [3] COPY PY PCT HED ? ? [3] COPY PY MCSH MLB ? [3] COPY	Y ELEM EV ? ? [3] Y X NV ? ? [3] Y RDF NV ? ? [3] Y TER EV ? ? [3] Y SKEW NV ? ? [3] Y NAME NV ? ? [3] Y NAME NV ? ? [3] Y NAME NV ? ? [3] Y NSET NV 0 ? [3] Y NSET NV 0 ? [3] Y NSET NV 0 ? [3] Y NSET NV 0 ? [3] Y NSET NV 0 ? [3] Y NSET NV 0 ? [3] Y NSET NV 0 ? [3]	
PY MESH HED 0 3 3	CON CON 6 2 131	
PY CON RM DIR ? ? [3] COP PY PCT HED ? ? ? [3] COPY	NIST N 0 7 13 Y NSET NV 0 7 13 1	
PY MITR MITR 2 2 131 - ČČEV	(SYSTCR	
PY UL SV 0 2 [3] COPY	**************************************	
PY UL SV 0 - 2 [3] - 20PY Py Ev Rv ? 2 [3]		
PY MATL EV 2 7 3 COPY PY INTO EV 2 7 3 COPY PY NORM NV 2 7 3 COPY PY RY NV 2 7 3 COPY PY RY NV 2 7 3 COPY PY LY NY RY NY NY RY NY RY NY NY RY NY RY NY NY RY NY NY RY NY NY NY RY NY NY NY		
PY UL SV 0 2 [3] COPY PY EV RV 2 2 [3] PY LTH CRM 2 2 [3] PY LMPF RV 2 2 [3]		
PY UL SV 0 2 [3] PY EV RV 2 2 [3] PY LH CBM 2 2 [3] PY LMPF RV 2 2 [3]		
PY UL SV 0 2 [3] PY EV RV 2 2 [3] PY LTH CBM 2 3 [3] PY LMPF RV 3 2 [3]		
PY EV RV ? ? [3] PY LMPF RV ? ? [3]		
PY EV RV ? ? [3] PY LMPF RV ? ? [3] PY LMPF RV ? ? [3]	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pb
PY EV RV ? ? [3] PY LMPF RV ? ? [3] PY LMPF RV ? ? [3]		22-NOV-88 06 47 Pa
PY EV RV ? ? [3] PY LMPF RV ? ? [3] PY LMPF RV ? ? [3]		22-NOV-88 06 47 Pag
PY EV RV ? ? [3] PY LMPF RV ? ? [3] PY LMPF RV ? ? [3] IMP003 CRY.1 Direct DUT/EXTEND 7 EV RV ? ? DUT/EXTEND 7 LMPF RV ? ? DUT/EXTEND 7 LMPF RV ? ?		22-NOV-88 06 47 Pa
PY EV RV ? ? [3] PY LHER ? ? [3] PY LHER RV ? ? [3] IMPO03 CRY.1 Direct DOUT/EXTEND 7 EV RV ? ? DOUT/EXTEND 7 LHPF RV ? ?		22-NOV-88 06 47 Pag
PY EV RV ? ? [3] PY LHER ? ? [3] PY LHER RV ? ? [3] IMPO03 CRY.1 Direct DOUT/EXTEND 7 EV RV ? ? DOUT/EXTEND 7 LHPF RV ? ?		22-NOV-88 06 47 Pag
PY EV RV ? ? [3] PY LTH FRW ? ? [3] PY LMPF RV ? ? [3] IMPO03 CRY: 1 Direct MOUT/EXTEND 7 EV RV ? ? MOUT/EXTEND 7 LTH CRM ? ? MOUT/EXTEND 7 LMPF RV ? ?		22-NOV-88 06 47 Pa
IMPO03 CRY:1 Direc	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pla
PY EV RV ? ? [3] PY LMPF RV ? ? [3] PY LMPF RV ? ? [3] IMPO03 CRY.1 Direct DUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LWPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pla
PY EV RV ? ? [3] PY LTH FRW ? ? [3] PY LMPF RV ? ? [3] IMPO03 CRY: 1 Direct MOUT/EXTEND 7 EV RV ? ? MOUT/EXTEND 7 LTH CRM ? ? MOUT/EXTEND 7 LMPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pa
PY EV RV ? ? [3] PY LTH FRW ? ? [3] PY LMPF RV ? ? [3] IMPO03 CRY: 1 Direct MOUT/EXTEND 7 EV RV ? ? MOUT/EXTEND 7 LTH CRM ? ? MOUT/EXTEND 7 LMPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pa
PY EV RV ? ? [3] PY LMPF RV ? ? [3] PY LMPF RV ? ? [3] IMPO03 CRY.1 Direct DUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LWPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pa
PY EV RV ? ? [3] PY LMPF RV ? ? [3] PY LMPF RV ? ? [3] IMPO03 CRY.1 Direct DUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LWPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pa
PY EV RV ? ? [3] PY LMPF RV ? ? [3] PY LMPF RV ? ? [3] IMPO03 CRY.1 Direct DUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LWPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pa
PY EV RV ? ? [3] PY LMPF RV ? ? [3] PY LMPF RV ? ? [3] IMPO03 CRY.1 Direct DUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LWPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pb
PY EV RV ? ? [3] PY LMPF RV ? ? [3] PY LMPF RV ? ? [3] IMPO03 CRY.1 Direct DUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LWPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pb
PY EV RV ? ? [3] PY LMPF RV ? ? [3] PY LMPF RV ? ? [3] IMP003 CRY.1 Direct DUT/EXTEND 7 EV RV ? ? DUT/EXTEND 7 LMPF RV ? ? DUT/EXTEND 7 LMPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pb
IMPO03 CRY:1 Direc	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pb
PY EV RV ? ? [3] PY LMPF RV ? ? [3] PY LMPF RV ? ? [3] IMPO03 CRY.1 Direct DUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LWPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pa
PY EV RV ? ? [3] PY LTH FRW ? ? [3] PY LMPF RV ? ? [3] IMPO03 CRY: 1 Direct MOUT/EXTEND 7 EV RV ? ? MOUT/EXTEND 7 LTH CRM ? ? MOUT/EXTEND 7 LMPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pb
PY EV RV ? ? [3] PY LMPF RV ? ? [3] PY LMPF RV ? ? [3] IMPO03 CRY.1 Direct DUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LV RV ? ? BOUT/EXTEND 7 LWPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pa
PY EV RV ? ? [3] PY LMPF RV ? ? [3] PY LMPF RV ? ? [3] IMP003 CRY.1 Direct DUT/EXTEND 7 EV RV ? ? DUT/EXTEND 7 LMPF RV ? ? DUT/EXTEND 7 LMPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pa
IMPO03 CRY:1 Direc	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pa
PY EV RV ? ? [3] PY LTH FRW ? ? [3] PY LMPF RV ? ? [3] IMPO03 CRY: 1 Direct MOUT/EXTEND 7 EV RV ? ? MOUT/EXTEND 7 LTH CRM ? ? MOUT/EXTEND 7 LMPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pa
PY EV RV ? ? [3] PY LTH FRW ? ? [3] PY LMPF RV ? ? [3] IMPO03 CRY: 1 Direct MOUT/EXTEND 7 EV RV ? ? MOUT/EXTEND 7 LTH CRM ? ? MOUT/EXTEND 7 LMPF RV ? ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pa
Y EV RV ? 2 [3] Y LMPF RV 2 2 [3] Y LMPF RV 2 2 [3] IMPDO3 CRY:1 Direc GUT/EXTEND 7 EV RV 2 2 OUT/EXTEND 7 LMPF RV 2 2	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pa
IMPDO3 CRY.1 Direc OUT/EXTEND 7 EV RV 2 ? OUT/EXTEND 7 LYR CRM 2 ? OUT/EXTEND 7 LYR CRM 2 ? OUT/EXTEND 7 LYR CRM 2 ?	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pa
PY EV RV ? ? [3] PY LMPF RV ? ? [3]	tory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 47 Pa

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MPD1 CRY;2		rectory SAM_			P OUT]		22-NOV-88 06 48
UN=IMPD1,T=	7200 CL=DEF						
	R MODELS -	1ST DEGENER	RATE - C	OSINE & SIN	18 *		
	:*************************************	OISKR [FER	GUSON CE	XI 302 MESH	CEX'		
H DAI-BAND	F=TR_TEXT=/	OTSKB [FER	RUSON CE	XL3D2]BAND	CEX'		
Ü	DF = IR TEXT	- ADJEND (EE	יייייייייייייייייייייייייייייייייייייי	ENI 302 ISETI	DEX'		
CH ONBHATE :	OF TR TEXT"						
CH_ON=MASS_C	OF TR TEXT	OISKE LEEK	GUSON CE	XL3021BA33	CEX		
CH UN*LUAD I	DESIK IEVI-	DISKE LIEK	COOSON OF	TYPOPE JEGYT			
CH DN-SOLVE	DF * TR TEXT	· 'DISKB: [FE	RGUSON C	EXT3D5 SOT	AE CEX.		
CH DN=EIGEN	OFFIK IEAL	. DIZKE [LE	ERGOSOF C	PENEOD , JE 10			
EN DN=UTILI	TY DF . TR. TEX	XT='DISKB:[FERGUSON	I. CEXL302]U	TILITY CEX	<u>, </u>	
	7 TEXT= DISH					•	•
PÖSE DF TR	N+FIL003 TI	EXT OISKO	[KPOOL]	MPUT FLS			
F DN=F11.002	PON=IMPD1	TD=KPOOL UC	٥				
)F	FUN-1 U	10					
SH AR 500000 (/MXPQ=1500							
(/MXPU=1500 [YPE 4 2,3]	15000 /000						
1 'SS	15000 7000 ME IMPELLER I DEGENERATE IPLC=0 IPSK ROM CADAM	MODEL E MESHES (CI	OSTNE ST	NE)			
SIGN IPNO=0	IPĒČ∓O IPSK ≥OM CADAM	K=0 IPEL=0 : WAL-SSME	IPCO=U -HUB FE	M14			
POINT 1	-5	1 5	2111 3907	3 9035	-3 6254 -3 6254		
POINT 3	-5 -5	3	2111 3907 2316 8508	2 7129 3 9035 4 9064 5 5769	-3 6254 -3 6254 -3 6254 -3 6254		
POINT 4 POINT 5 POINT 6	-5	<u> </u>	3380 0396	5 8653 2 4557	3 6373		
POINT 7	-6	3 4	3617 3006	3 5218 4 5315	-3 6379 -3 6379		
POINT 8	•5 •5	3 3	3006 0165 5963	_5_2308	-3 6379 -3 6379		
POINT 10 POINT 10 POINT 11	-5	5 4	8716	2.1801	-3 6504		
POINT 12	-5 -5	5 4	3232	3.1298 4.1464	-3 6504 -3 6504 -3 6504		
POINT 14	-5 -5	5 0	3604 1791 8458	5 2697	-3 6504 -3 6504		
POINT 15 POINT 16	-5	7 4	7009	1 8942 2 7327 3 7443	-3 6504 -3 6630 -3 6630 -3 6630		
	•	7 -	Z086	-4-4154			
POINT 17 POINT 18	<u>:</u> §	7 3	2684	3.7443	-3 6630		
POINT 17 POINT 18		7 3	4157	3.7443	-3 6630		
POINT 18							
POINT 17 POINT 18		7 3		(FONG SSME.	IMP OUT]		22-NOV-88 06 4
POINT 17 POINT 18 TIMPD1 CRY: POINT 19	2 D	Directory SA	AM_DISK	[FONG SSME.	[MP OUT]		22-NOV-88 06 41
POINT 17 POINT 18 IMPD1 CRY: POINT 19 POINT 20 POINT 21	2 D	Directory SA	AM_DISK	[FONG SSME.	[MP OUT]		22-NOV-88 06 4
POINT 17 POINT 18 - IMPD1 CRY:	2 D	7 2 7 2 7 4 9 4 9 4	AM_DTSK 3302 0914 5272 1718 4484	(FONG SSME. 4.5057 4.50493 1.5928 2.3725 3.3379	1MP OUT] -3 6630 -3 6765 -3 6765 -3 6765		22-NOV-88 06 41
POINT 17 POINT 18 IMPO CRY: POINT 19 POINT 20 POINT 21 POINT 21 POINT 23 POINT 23 POINT 24 POINT 24 POINT 24 POINT 24	2 D	7 2 7 1 9 4	AM_DISK 3302 0914 5272 1718 4484 4267 3159	FONG SSME. 4.5007 4.9423 1.5928 2.3725 3.3379 4.1405 4.6153	1MP OUT) -3 6630 -3 6755 -3 6755 -3 6755 -3 6755 -3 6755		22-NOV-88 06 4
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22-NOV-8		=	FONG SSME			•	D1 CRY	
		-3 6679 -3 6679 -3 6622 -3 6622 -3 6622	0 2845 0 7727	2 3454 2 2327 1 7380	-5 29 -5 29 -5 31	74 - 75 - 76 -	T 74 T 75	H
		-3 6622	-1.4062	7380	-5 31	76 -	76	INT
		-3.6522	-1 1523 -0 5366	1 9158 2 1703	-5 31 -5 31		† 79	INT
		-3.6622	-0.0400	2.2353	- <u>5</u> 31	79 <u>-</u> 80 -	<u>† 79</u>	IN
		-3 6622 -3 6622 -3 6550	-0.0400 0.4323	2 1934	-5 31	80 -	T 80	INT
		-3.6550 -3.6550	-1 5998 -1 3463	1 4229 1 6647	-5 33 -5 33	81 - 82 -	1 81 T 82	INI
		-3 6650 -3 6650	-0.7960	1.9875	-5 33	83 -	i 83	IN
		-3 6550 -3 6550	-0.7960 -0.3336	2 1149	-5 33	84 -	T 84	INT
		-3.6550	0.1199	2 1376 1 0501	-5 33 -5 35	85 - 86 -	T 85	INT
		-3 6650 -3 6650	-1 7838 -1 5182	1 4071	-5 36	87 -	T 87	ÎNT
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		-3.6650 -3.6650	-0 18 04 -1 5813	2 0621 0 9309	-5 35 -5 36	90 -	7 90	INT
		-3 6550 -3 6550 -3 6550 -3 6550 -3 6550 -3 6550 -3 6550	-1 3250	7 2474	-5 39 -5 39		92	INI
		-3.6550	-0.9185	1 5886	-5 39	93 -	T 93	INT
and the second s		-3 6650	-0.5418	1 7532	-5 39	94 -	<u> 94</u>	INT
		-3.6550	-0 1599 -1 2519 -1 0655	1 8280 0 7370	-5 39 -5 41	95 <u> </u>	- 82	IN
			-1 0655	0 9875	-5 41 -5 41	97 -	T 97	INT
		-3 6550	-0 7272	1 2576	-5 41	98 -	98	INT
		-3.6650	-0 4290 -0 1266	1.3880	-5 41	99 -	100	INT
		-3 6550	-0 1266 -1 0427	1 4472 0 6138	-5 41 -5 43	01 -	101	INT
		-3.6650 -3.6650	-O R874	0.8225	-5 43	02 -	T 102	INT
		-3 REEO	-0.6057	1 0475	-5 43	<u> 03 -</u>	103	INI
		-3 5550	-0 3573	1 1560 1 2054	-5 43 -5 43	04 -	T 104 T 105	INT
		-3 6550 -3 6254	-0.1055 3.9639	4 3363	-5 43 -5 1	06 -	1 106	INT
		-3 6379	3.6759	4.2327	-5 3	07 -	107	INT
		-3 6504	3.3679	4 1404	-5 5	08 -	108	INT
		-3 6630 -3 6765	3 0458 2 7056	4 0508 3 9639	-5 7 -5 9	10 -	T 109	INT
		-3 6/66 -3 6880	2 2829	3.9139	-5 11	11 -	111	₩
		-3.6880 -3.7000	2 2829 1 7712	3 8775	-5 13		112	INT
		-3.6254	4 9506	3 1634	-5 1 -5 3	13 -	T 113 T 114	INT
		-3 6379 -3 6504	4 6461	3 1372 3 1243	-5 5		1 115	INT
		-3 6504 -3 6630 -3 6755	3 9934	3 1208	-5 7	16 -	116	INT
		-3 6755	3.6404	3 1273	-5 9		T 117	IINT
	•	-3 6880	3 2632	3 1436	-5 11	18 -	118	INT
		- 3 7000 - 3 7000	2 5050 2 5050	3.1250 3.0955	- <u>5</u> 13 -5 15	20 -	119	N
		-3 7000	2.0943	3 0571	-5 17	21 -	T 121	IINT
		-3 7000	1 6955	2 9876	-5 19	22 -	122	INT
		-3.7000 -3.6933	1 2993 0 8842	2 8970 2 7938	- <u>5</u> 21 -5 23 -5 25	51	123	INT
		-3 6 933 -3 6833	0 4009	2 /938	-5 25	25	125	TMT
		-3 6264	5.6010	1 7734	-5 -7	<u>26</u>	25 25 28	N
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22-NOV-88 06 48 F	IMP OUT]	[FONG SSME	ctory SAM_DISK			IMPD 1
•	-3 6630 -3 6765 -3 6880	4 8632 4 3251 3 9340	7 1 9852 9 2 0800 11 2 2481 13 2 4724	-5 -5	129 130	THID
	-3.6880	3 9340	2 2481	-5	131	DINT
	-3 .5880 -3 .7000 -3 .5254 -2 .5379 -3 .6534 -3 .6830 -3 .7655 -3 .6880 -3 .7000 -3 .7000 -3 .7000 -3 .7000 -3 .7000	3 4727	13 2 4724	-5	132 133 134 135 136 137 138 139	TAID
	-3.6254	5 8694 5 5923 5 3090	0 2561 3 0 3931 5 0 5477	-5 -5	133	OINT
	-3 5379	5 5923 F AXAX	3 0 3931 E X E 494	 	135	OTNE
	-3 6504	5.3090 5.0182	7 0 7100	-5 -5	136	OINT OINT OINT
	-3.003U	4 7171	9 0 8842	-5	137	OINT
	2 6990	4 2002	1 0891	-5	138	DINT
	-3 700X	4 3982 4 0677 3 7097	13 1 2752	-5	139	OINT
	-3 7000	3 7097	15 1 4476 17 1 5996 19 1 7394 21 1 8430	-5	140	OINT
· · · · · · · · · · · · · · · · · · ·	- 3. 7000	3 7097 3 3427	17 1 5995	-5 -5	141	TNIO
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	-3 6933	2.2025	1 9329 2 0008	ځ-	145	TIME
	-3 6833	1.8247	2.0008	- <u>š</u>	146	NINT
	-3 6933 -3 6833 -3 6875 -3 6679 -3 6622 -3 6650 -3 6550 -3 6550	3 3427 2 9823 2 5854 2 2025 1 8247 1 4852 1 1365 0 8020 0 4323 0 0000 0 0000	23 1 9329 25 2 0008 27 2 0410 29 2 0713 31 2 0868		147	DINT
	-3.00/¥	0.8020	2 0868	-5 -5	148	POINT POINT
	-3 8580	0.4323	2 0969 35 2 0680 39 1 8360	- 5	149	ĎĨŇŤ
	-3 65E0	0 0000	2 0680	Š	150	DINT
	-3 REEO	0 0000	9 1 8350	-5	151	TAID
•	-3 6550	0.0000	1 1 4527	-5	152	TNIO
	-3 6550	0.0000	11 1 4527 13 1 2100		153	DINT
	-3.3925	2.7129	_1_ 5 2111	1	149 150 151 152 153 155	THID
	-3 3925	3 . 9035	4.3907	- 1	156	VINT
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	-1 3925		1 0 3380 3 5 0396		159 160	610+
	3 3925	2 4557 3 5218	3 4.3617	- 1	161	DINT
	-3 3820 -3 300E	3 24 E	3 3 3006	- 1	162	DÎNT
	-3 3825	5 2308	3 2 0 165	- 1	163	OINT COINT COINT COINT COINT COINT
	-3 300	4 5315 5 2308 5 5743	3 0 5062	-1	164 165 166	DINT
-	-3 3926 -3 3926 -3 3926 -3 3926	2 1801	3 0 5963 5 4 8716	- i	165	OINT
	-3 3025	2 1801 3 1298	5 4 3232	- 1	166	DINT
	-3 3025	4 1464	5 4 3232 5 3 3604 5 2 1791	-1	167 168	DINT
	-3 3925	4 1464	5 2 1791	- 1	168	DINT
	·3 3925	5 2697	5 0 8458	- 1	169 170	OINT OINT OINT
	-3 3925 -3 3925 -3 3925	1 8942	7 4 7009	- 1	170	DINT
	-3.3925	2.7327	7 4 2684 7 3 4157		171	MINI.
	-3 3 925	3.7443	7 3 4157	- 1	172	OINT
	-3.3925	4 5007	7 2 3302	- 1	173	OINT
	-3 3925	4 9493	7 1 0914	-1	174	OINT
	-3.3925	1 5928 2 3725	9 4 5272		175	OINT OINT OINT
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	3 3925	3 3379	9 3 4484	- 11	178	ÖİNİ
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	3 39 75	1 2559	9 1 3159 1 4 3535 1 4 0375		179 180	OINT
	-3 3/18 -2 27(0 Th 1	2 0564	4 0375		181	TNIO
	-3 3718 D-1	2.0504	1 3.4431		182	THIO
	-3.3/18	2 9454 3 7997 4 2728	1 3 4431 11 2 4684 11 1 5078		183	TAID
	-3.3718 -3.3718	4 2728	1 1 5078		184	DINT

22-NOV-88 OF	-			SAM_DISK			1 CRY, 2	
	3612 3612	-3 3 -3 3	0 9295 1 7712 2 5482 3 4727	4 1603 3 8775 3 4174	13 13	-1	185 186 187	JPOIN JPOIN
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	86 12 86 12	-3 3	3 9160	1 6845	13 13	- 1	T 189	UPO IN1
	1096	-3-3 -3-3	0.6011 1.3810 2.1378	3.9365 3.7360	15 15 15 15		190	JPOIN
	3096	-33	2 1378	3 3506	15	- 1	1 192	LUPO IN1
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	615	<u>-ă</u> _i	1.3276	3.1683	19	- 1	203	JPOIN
	1615 1615	-3 1 -3 1	2 2346 2 7346	3.1683 2.6091 2.0791	19	- 1	204	JP0 IN1
•	349 7	-30	-0 3034	3 1606	21	- 1	205	JPOINT
)497)497	-3-8	1 3276 2 2346 2 7346 -0 3034 0 2572 0 9305	3 1646 3 0356	21		289 -	JEO IN
	0497	-30	1 8050	2 6120	21	- 1	7 208	JPOINT
	0497 2075	-3 0 -2 9	2 3153	2 1726 2 8739	21 23	- 1 - 1	7 209 7 210	JPOINT
	075 075 075	-2 9 -2 9	-0.5726 -0.0893	2 9290 2 9290	23 23 23	- 1	210	JPO IN
	X)76	-70	0 6116	2 8659 2 5812	23 23	-1	212	JPOINT JPOINT
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	075 7329 7329 7329	-2 7 -2 7 -2 7	1 9003 -0 8204 -0 4060 0 4009	2 6773	23 25 25 25 25 25 27	-1	215	JPOINT
	7329	-2 1	0.4009	2 6781	25	- 1	217	JPOINT
	7329 7329	-97	9-4870	2 6781 2 5216 2 2568 2 3067			7 2 1 8 2 1 9	JPO IN
	389 389	-2 5	-1 0249	2 3067	27	- 1	7 220	JPOINT
	389	-2 5	-0 6850 0 0612	2 4294	27	-1	7 221	JPOINT JPOINT
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	389	-25	1 1235	2 2604 2 0199	27 29	-1	7 225	JPOIN1 JPOIN1
			0 9263	2 1734 2 3499	29		226 227	JPO IN
	1233	-23	1 1235 -1 2256 -0 9263 -0 2448 0 2845	2.3499 2.3454	29 29 29 29 29	- 1	7 228	JPOIN
	233	-2 3	0 7727	2 2327	29	- 1	7 229	JPÖ IN1
	833	-22222222222222222222222222222222222222	0 7727 -1 4062 -1 1523	2 3454 2 2327 1 7380	31		230 231 232	JEGIN
	833	-2 0	-0 5366 -0 0400	2.1703	31	- 1	r 232	JPOINT
)833)833	-20	-0 0400 0 4323	2 2353 2 1934	31 31	-1	233 234	JPOINT
	265	-1 8	-1 5998	2 1934 1 4229	33	-1	235	JPOINT
	1265 1265	-18	-1 3463 -0 7960	1 6647 1 9875	33 33	-1	237	JPOINT JPOINT
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	265	-18	0 1199	2.1376	33	-1	239	UPUINT
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IMPO1 CRY;2
DINT 240 DINT 241 DINT 242 DINT 243 DINT 244 DINT 246 DINT 246 DINT 247 DINT 247
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01N1 248 01N1 250 01N1 251 01N1 252 01N1 252 01N1 254 01N1 256 01N1 256 01N1 256
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ATNT 276
AINT 277
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22-NOV-88 06 48 Pe	OUT]	IMP	FONG SSME	SAM_DISK	Directory		CRY; 2	IMPD1
	2463	-3	3 3427 2 9623 2 5854	1 5995	17	- 1		
	 0497	3	2.9623	1 8430	1 <u>9</u>	-1	295 296 297	OINT
	9075	-2	2 2025	1.8430	21	- 1	297	OINT
	7329	.5	2 2025 1 8247	1 9329 2 0008	23	- 1 - 1	298	DINT
	 5389	- 2	4862	2 0410	ร์รี	- 1	299	THIO
	5389 3233	-2	1 1365	2 8713	23 25 27 29 31		300 301	ŠĪNĪ
	0833	-2	0 8020	2 0868	31	- 1	302	DINT
	8265	- 1	0.4323	2 0969	33	- 1	303	TAID
	 5599 2650		8 8888	2.0680 1 8350	35 39	: 1	304	HAIS
	4950	- 1	0 0000	1 4527	39 41	!	306	THIO
	4960	- 4	0 0000	1 4527 1 2100	43	- 1 - 1	306 307	TNIO
	 2660	- 1.	-1.7451	1 0273		1	30%	THIO
	2650 2650	-1	-1 -7451 -1 4852	1 3765	35	- i	308 309	PAINT
	2650	- 1	-1.01 36	1 7530	35	1	310	POINT
	2650	- 1	-0 5979	1 9347	35	1	311	POINT
	 2650 2650 2650 4950	-:}	8 0000	2 0173 2 0250 0 0000	35 35 35 35 35 35	- +	312	PAIS
	4950	- 1	1 8360	0 0000	13	ò	313	CINT
	4950	- 1	1 4527	0 0000	13	. 3	3.5	× : 7
	 2650 2650		1 4527	0.0000	15	7	316	OTNT
·	2650	- 1	1 2100	8-8888	15	5	317	SINI
	1950	-0	1 2100	0 0000	21	5	318	TNIO
	1960	-0	0 8505	0 0000	21	3	319	TNIO
	 950 9880 8880	X	X-28XR	8.8888	- 23 23		320 321	THIO
•	2650	-1	0 8505 0 5900 0 5900	00000	15	,	321	TNIO
	6550	-3	0.5900	0.0000	'ğ	į	323	DINT
<u> </u>	 4150	<u>-5</u>	0 5900 0 9015	8.8888	1	1	324	TNIO
P	4150	-5	0 9015	0 0000		3	324 325	HNI
	2250 2250	-5 -5	0.9015	0 0000	3	3	326	דאומי
	ÉÉÉO	-3	1.3600	0 0000	3	۶	327	THIO
	 6550 6550	-3	1.3600	8.8888	-	3	328 329	SINT
	4950	- 1	- 1 5813	0 9309	39	- 1	330	TATO
	4960	- 1	-1.3458	1 2474	39	- 1	331	MIDS
	 4950		-0.9185	1 5886 7532	- 39 39	- •	332	TRIDS
	4960 4960	- 1	-0.5418	1 7532	39	• (333	THIS
	4950		-0 1599 0 0000	1 8280 1 8350	39 39	-1	334	POINT
	4950	- 1	Ų 0000	1 6350	39	- '	335	POINT
						-3	336 455	POINT
					3	- 3	460	POINT
					5	-3	465	POINT
···	 					- <u>3</u>	470	POINT
the second secon					11	-3	475	POINT
						-3 -3	480 485	POINT POINT
	 				13 15	-3	400	POINT
					17	-3	495 500	POINT
					19	- 3	500	POINT
					21	-3	505	POINT
	 				23 25	_ 	510 515	POINT
					25	-3	515	POINT

• • • •

MPD1 CRY; 2 Di	rectory SAM_DISK [FO	NG SSME IMP OUT]		22-NOV-88 06 48 Pm
DINT 520 -3 DINT 525 -3 DINT 530 -3	27 29 31			
11NT 535 -3	31 33			
INT 540 -3 INT 608 -1 INT 1001	33 36 37	F400 0 9400		·
DINT 1002 1	1 5 3103 2 1 4 5512 3	5133 -2 8492 7151 -2 8492 7659 -2 8492 4930 -2 8492		
TINT 1003 TINT 1004 TINT 1005	1 3 4354 4 1 2 0839 5 1 0 5921	7659 -2 8492 4930 -2 8492 8451 -2 8492		
NINT 1004 0INT 1005 0INT 1006	3 5 2 155 2	2516 -2.8369		
ÖÏNT 1007 1 ÖÏNT 1008 1	3 4 5873 3 3 3 5658	4000 -0 ETEKU		
OINT 1009 1 DINT 1010 1	3 3 5668 3 2 3206 3 0 8770	4222 -2 8369 1552 -2 8349 6127 -2 8369 9940 -2 8214 8883 -2 8164		
ĎÍNT 1011 1	5 5 1116 5 4 6943	9940 -2 8214 8983 -2 8164		
ŎĬŇŤ 1012 1 OÍNŤ 1013 1 OÍNŤ 1014 1		1.0889 -2.8214		
OINT 1015 1	5 3 6586 5 2 5297 5 1 1240 7 5 0017	1 8072 -2 8164 3704 -2 8214		
01NT 1016 1	7 4 5816) 4834 -2 7930		
ÕINT 1018 1	7 3 7392 3	7463 -2 8023 1 4415 -2 7930		•
<u>01NT 1020 1</u>	7 2 7261 7 1 3652 9 4 8855	5 1140 -2 8023		
OINT 1021 1 OINT 1022 1	9 4 5054	2 1484 -2 7627		
OINT 1023 1	9 3 7947 9 2 8276 9 1 5827	3 4072 -2 7787 1 1132 -2 7627 1 8481 -2 7787		
01NT 1024 1 01NT 1025 1	9 1 5827 11 4 7638	1 1796 - 2 7484		
OINT 1027 1	11 4.4072	1.8330 -2.7217 3.0828 -2.7484	·	
DINT 1029 1	11 2 9003	3 7910 -2 7484 5 7910 -2 721 4 5791 -2 7484		
OINT 1030 1	11 1 7655 13 4 6340 13 4 2742	7 8811 -2 7090		
OINT 1032 1	13 4 2742 13 3 8324	1 5833 -2 667 2 7501 -2 709		
POINT 1034 1	13 3 8324 13 2 9099 13 1 9438	3 5082 -2 667; 4 2979 -2 7090		•
OINT 1036 1	15 4 5141 15 4 2277	0 6312 -2 667 1 4140 -2 637		
POINT 1038 1	15 3.8 33 8	2 ARE2 -2 RE71		
POINT 1039 1	15 2 9543 15 2 0879	3 3384 -2 637 4 0616 -2 667 0 2993 -2 599		
POINT 1041 1	17 4 3333 17 4 1686	0 2993 -2 599 1 2204 -2 599	•	
PÕINT 1043 1	17 3 8220	2 0839 - 2 599		
POINT 1044 1	17 3 8220 17 3 0000 17 2 2770	0 2983 - 2 598 2 0639 - 2 598 3 1412 - 2 598 3 6990 - 2 598 0 0034 - 2 530 0 1 7027 - 2 530 2 8071 - 2 530	D-20	
PÕINT 1046 1 PÕINT 1047 1	19 4 1619 19 4 0646	0 0034 -2 530 0 8947 -2 530 1 7077 -2 530		
POINT 1048 1	19 3 7954	1 7077 -2 530 2 8071 -2 530		

22-NOV-88 06 48						
	-2.5301	3 3756 -0 3326 0 5267	2 4346 3 9716 3 9606 3 7657	1 19	1050	JPOIN
	-2 4480 -2 4480	- X 2329	3 8668	21 21 22 22 22 22 22 22 22 22 22 22 22 2	1051	MOC
	-2 4480	1.33336	3.7557	- 1 - 21	1053 1064	ABO IN.
	-2 4480 -2 4480	2 4306	3 1585	1 21	1064	JPU IN
	-2 3571 -2 3571 -2 3571 -2 3671 -2 3671	-0 6417	2.5832 3.7591	33	1055	JEKIN
	-2 3571 -2 3571	0 1782	3 9093	23	1067	JPOIN'
	-2 3671	0 9706	3 8279	1 23	1058	JPOIN.
	-2.3671	0 9706 2 0590 2 6664	- 3 - 2093 2 - 7272	1 23		POIN
	-2 31671	2.6554	2.7274	23	1060	JPOIN'
	-2 2085	-1 0639 -0 2916	3 4464 3 5912 3 6443	-} 2 22	1062	JPOIN
	-2 2085 -2 2085	0 6478	3 6443	26	1063	JPOIN'
	-5 50EK	9 6478	3.2559	1 25		JEOIN
	-2 2085 -2 1285	2 1390	2 8993	1 25	1066 1066	JPOIN'
	-2.1285	-1 2796 -0 5525	3.2562 3.4547 3.4800	27	1067	POIN
	-2 1285 -2 1285	7 386E	3 4800	1 39	1067	HEST
	-2 1285	1.2489	3.2681	1 27	1069	JPOIN
	-2 1285 -1 9961	1 8555 -1 6098	2.9661	1 27	1070 1071	POIN.
	-1.9961	-1-6098	3 2213	1 29 1 29 1 29	1842	JESIN
	-1 9961 -1 9961	-0 9417 -0 0769	3 3553	1 20	1073	JPOINI
	-1 9961	0.7951	3 3553 3 2606	1 29	1074	JPOIN1
		1.4069	3 0470	1 29	1075	JESIN:
	-1.9961 -1.8420	- 9372	2 5965	31	1077	JPO IN
	-1 8420 -1 8420	-1.3364 -0.5273	2.9502 3.1955	1 31	1078	JPŌ ĪN1
		0.3177	3 2231	1 31	1079	JPOINT
	-1 8420	0.9113	3.1079	1 31	1080	JPO IN
•	-1.6596	-2.2748	2.2078	1 33		JPO INT JPO INT
	-1.6596	-1 6903 -0 9466	2.6817 3.0254	33	1083	JPOINT
	-1.6596 -1.6596	0 (443	3 1667	33 33 33 35 35 36 36	1084	POINT
,	-1.6596	0 5504	3 1218	1 33	1085	POINT
	-1 4850	-2 2748	2 2078	35	1085	JPO INT
	-1.4650	-1 6903 -0 9466	2.6817 3.0254	+ **	1087	BOIN
	-1 4650 -1 4650	-0 1443	3 1667	35	1089	JPOINT
	-1 4650	0.5504	3.1218	1 35	1090	POINT
	-1.3650 -1.3650	0 5504 -1 8270 -1 2025	2.7180	1 39	1091	Pôint
	-1 3650	-1 2025	3 0482 3 2537	1 35 1 39 1 39	1092	POINT
	-1.3650 -1.3650	-0 3731 0 4817	.3.2537 3.2394	39	1094	JPO INT
		1.0992	3.0850	1 39 0 8	1095	POINT
	-1.3650 -1.4606	1.0992 -2.1028	2.4101		1096	POINT
	-1,4006	-1.5379	2 8045	8 8		JPO INT JPO INT
	-1.4006	-0.7596 0.0704	3 1070 3 1977	ă	1099	IPÒINT
	-1 4006 -1 4006	0 0704 0 6866	3.1240	0 	1100	POINT
	-2 8492	3.8110	4 . 4713	1 1		POINT
	-2.8349	3.4899	4 4476	3	1102	POINT
· · · · · · · · · · · · · · · · · · ·	-2-8164 -2-7930	3 1724 2 8376	4 4096	 	1102	POINT
	-2 7930	2.03/6	4.3/10			

	4.400		Dry SAM_DISK	-				22-NOV-88 06 48
POINT	1105 1106	1 1 11	4 .3296 4 .2864	2 4837 2 1001 1 5833	-2 7627 -2 7217			
POINT	1107	1 13	4.2742	1.5833	-2 6872	···		
MINT MINT		1 15	4 2742	1.5833	-2.6672			
POINT	1110	1 1	3 3336	4 8377 4 5577	-2.8492		•	
POINT	1111		3.4298	4 2826	-2 8369 -2 8214			
THIC		1 7	3.4666	4 2826 4 0008	-2.8023			
TNIOS	1113	.9	3.4993	3 7099	-2.7787			
OIN+		1 13	3 5358 3 5727	3.4034	-2.7484 -2.7698			
THIO	1116	1 15	3 5936	2.8038	-2 /090 -2 6672		· . —	
TAIO TAIO	1117	1 17	3 5936 3 6032 3 6026	2.4257	-2 6672 -2 5997			
MIN		1 21	3 6013	7 9839	-2.5301			
POINT	1120 ·	1 23	3.5768	1 3235	-2 4480			
THIO	1121	25	3 5443 1 9806	1 3225 0 6478 5 5311	-2.3671 -2.2085			
THIO	1122	1 1	1.9806	5 5311	-2.8492			
TAID	1123	3	2.1068	5 2462	-2.8349			
OINT :	1126	3	2 2326 2 3666 2 5077	4 9521 4 6430	-2.8164 -2.7930			
OINT '	1126	<u>i </u>	2:5077	4.3167	-2 7627			
OINT	1127	1 11	2.8621	3 9819 3 5082	-2 7217			
OINT .	1128	1 13	2.9099	3 5082	-2 6672			
OINT '	1130	1 1	2.9099 0.4817	3.5083 5.8552	-2 6672 -2 8492			
OINT	1131	1 3	0.6578	5 8425	-2 8369		· · · · · · · · · · · · · · · · · · ·	
TNIO:		1 5	0 8290 1 0009	5.4238	-2.8214			
OINT :	1134	7		5 1976	-2 8023 -2 7787			
OINT	1135	1 11	1 1755	4 9925	-2.7787 -2.7484			
OÎNT 1	1136	1 13	1 5540	4.4637	-2 7090			
TAID	1137	1 13	1.7104	4 . 2249	-2.6672			
OINT		1 17	2.0780	3 9024 3 6060	2_5997			
ČÍNT 1	1140	1 21	2.2738	3.6060	-2 5301 -2 4480			
OINT 1	1141	23	2.4353	2.9346	-2.3571			
DINT 1	1142	1 25	2 6354 2 7363	2_4588	-2 2085			
DINT	1144	1 27	2.7353	2 1802	-2 1285			
OINT 1	1145 1	1 31	2 8666 2 9754	1 7455 1 2792	-1 9961 -1 8420			
	1146 1	1 33	3 0643	0.8116	6596			
	1147 1	1 35	3 0843	0 8116	-1.4650		-	
DÎNT 1	1120 /	1 39	2 9413 3 0262	1 4404	-1.3650			
INT. 1		á i .	5 3104	1.0358	-1 4006 -2 7190			
	1151 5	5 1	4.5512	2 5130 3 7151	-2 1 90			
	1152 5	اِ فِ	3 4354	4.7669	-2.7190			
OINT 1 OINT 1	1153 5	2 . 1	2 0839	5 4930	-2.7190			•
	1155 5	4 3	0 5921 5 1888	5 8451 2 1845	-2 7190 -2 7028			
ŌĪNT 1	1156 5	ś š	4.5895	3 2606	-2 7028 -2 7028			
OINT 1	1157 5	5 3	3.5937	4 3336	-2 7028	D-21		
OINT	1158 5	<u> </u>	2 3444 8 9455	5 1184 5 5498	-2 7028 -2 7028			

22-NOV-88 06 48				tory SAM_DISH 5.0604	5 6	1160	INT	JPO'
	122 122	4 -2	1 8704 2 8256	4 5969 3 8996		1161	TMT	'n
	22	2	2.8256 3.9268	3 5995	5 5	1163	TNT	ï
	122	-2	4 7450	2.5673 1.2406	Š	1164	INT	ò
	376	-2.	4 7450 5 2504 1 5623	4 5896	5	1165	INI	Ч
	76	7 -2	2 4187	4 5 896 3 7677	5 7	1167	ÍÑŦ	ï
	70	-2	3 5404 4 3794	2.7479	5 7	1168	INT	וכ
	170 170	-2.	4.9429	1.5160	57	1159	HNT	Н
	48	-2	1 2521	4 7946 4 4909	2 3	1171	IINT	01
	48	-2 -2	2 0946 3 1619	3.8155	Š Š	1172	INT	Ŏ.
	48	2	4 6472	2.8419 1.7202		1173	INI	X
	48	- 2	4 6472	1 7202 4 6582	5 11	1175	INT	UΙ
	34	-2 -2	0 9351 1 8021	4 3962	5 11	1176	INT	Οİ
	34 34	-2	3 7587	3.8305		1177	INI	Н
	34		3.7587	2.9061 1.9123	5 11	1179	ÎNŤ	îč
	34		4 3493 0 6312	4.5141	5 13	1180	TNT	nt
	17	-2	1.5833	3 8338	5 13	1181	₩Ţ	Н
	19	-2 -2	2 4652 3 5082	3 8338	5 13	1183	ÎNT	ĭi
	17	-2	3 5082 4 0516	2 9099 2 0879	5 13	1194	INT	11
	30		0.3934	4 3869	515	1185	₩	ц
	30	2	0.3934	4 2009	5 15 5 15	1187	INT	11
	30	-2	2 1798 3 2468	3 8273 2 9762	5 15	1188	INT	1
	30 30	-2	3 8020	2 2236	5 15	1189	NI.	Ψ
	18		0 1465	4 2443	5 17 5 17	1190	ÎNT	i
	48	-2.4	1 0521 1 8770	4 1144 3 8094	5 17	1192	INT	11
	18 12	-2	2 9683	3 0371 2 3614	5 17	1193	NT	Ψ
		-24	2.9683 3.5297	2 3614	5 17 5 19	1194	NT	i
	25	-2 -2	-0 1361 0 7418	4 0845	5 19	106	INT	71
	25 XE	2	1.5507	3 7812 3 1096	5 19	1197	NŦ-	₽
	25 25 26	-2 3	1 5507 2 6519	3 1096	5 19	1198	NT	i
	26	-2 3	3 2341 -0 4481	2 4985 3 8 97 1	5 21	200	MT	7 6
)4)4	-2 2	0 3969	3 9027 3 7346	5 21 5 21	201 202	ŅŢ.	H
	52	-2 -2	9 3969	3.7346	5 21	203	NT	T٨
) 4	-22	2 2951	3 1814 2 6348	5 21 5 21	204	NT	T٨
)4 E	-2.2	2 9063 -0 7330	3.6906 3.7620	5 23	205	NT	μ
	5	-2 1	0 0744	3.7620	5 23	207	NT	۱١
	5	-2.1	0 8666 1 9464	3 6616 3 2208	5 23	208	NT NI	İ٨
	5	-2 1 -2 1		2.7724	5 23	209	NT	Α
	2	-20	-1 5640 -1 5640	3 4454	§ 25	210 211		I N
	2	-2.0	-0 2916	3 5912 3 5443	5 %	212	NT ·	١N
	2	-2.0	0 6478 1 5430	3 . 2559	23 23 23 23 23 23 25 25 25 25 25 25 25 25 25 25 25 25 25	213	NT :	ĬΝ
	5	- <u>2</u> 8	1 5430 2 1390	2.8993	5 25	214	NT '	ΙN
· · · · · · · · · · · · · · · · · · ·	-							_

IMPD1 CRY.2	Directory SAM_	Sien (Fund 33	ME THE OUT	22-NOV-88 O	6 48 Page
POINT 1215 5	1 4 48	55 3 7941 36 3 4568	-2.7190	1	O NO PROGRE
POINT 1217 E	3 4 44 5 4 40	32 3 1174	-2 7028 -2 6822		
OINT 1218 5	7 4 36	36 2 7729	-2 8570		
POINT 1219 5	9 4 32	19 2 4243	-2.6248		
OINT 1221 E	13 4 28	26 2 0575 42 1 5833	-2.5834		
POINT 1222 5	1 3.35	69 4 8215	-2 5317 -2 7190		
POINT 1223 5 POINT 1224 5	3 3.40	14 4 4862	-2 7028		
OINT 1225 E	7 3 48	72 4 1500 70 3 8 172	-2 6822 -2 6670		
POINT 1226 5 POINT 1227 5	9 3 52	62 3.4816	-2 6570 -2 6248		
OINT 1228 5	11 3 564	RG 2 1280	-2 5834 -2 5317	·	
OINT 1229 E	13 3 50 15 3 60	35 2.8038 2.8038	-2.5317		
OINT 1230 5	17 3.60		-2 4830 -2 4248		
OINT 1231 5 OINT 1232 5	19 3.60	1 9265	-2 3626	•	
DINT 1233 5	21 3.50 23 3.56		-2 2704 -2 1655		•
OINT 1234 5	25 3 64	13 Ó 6476	-2 1655 -2 0452		
OINT 1236 5 OINT 1236 5	1 1.932	21 5.5482	-2 7190		
OINT 1237 E	3 3 34		-2 7190 -2 7028		
OINT 1238 Š	5 2.26 7 2.39	6 4 9013 6 4 5832	-2 6822		
OINT 1239 5 OINT 1240 5	9 2.530	7 4.260 4	-2.6570 -2.6248 -2.5834		
DINT 1241 E	13 2 680	3 9231 9 3 5082	-2.5834		
QINT 1242 5	1 0.512	K	-2.5317 -2.7190		
DINT 1243 5	3 0.702	5 5 5 8 5 8	-2 2020		
DINT 1245 5	- 5 0 910 7 111		-2 6822		
21NT 1246 5	9 1.313		-2 6822 -2 6670 -2 6248 -2 5834		
DINT 1247 5	11 1 519 13 1 710	3 4 5017	-2 5834		
DINT 1249 5	15 1 852	4 4 2249 8 3 9959			
DINT 1250 B	17 2 013	8 3.9959 7 3.7166	-2.4830 -2.4248		
DINT 1251 5 UNT 1252 5	19 2 160	1 3.4892	-2.3525		
INT 1253 5	21 2 336 23 2 480		-2 3525 -2 2704		1
INT 1254 5	25 2 635		-2 1655 -2 0452		
DINT 1255 7	25 3.543	6 -0 9968	-2 0180		į
INT 1257 7	25 3 572 25 3 572	6 -0 1454 5 0 8067	-2.0160		,
IINT 1258 7	25 3.242	0 17039	-2 0160		
INT 1259 7 INT 1260 7	25 2 856	2 2 2926	-2.0160 -2.0160		
INT 1261 9	25 2 573	5 2.6059	-2 0160 -2 0160	<u> </u>	!
INT 1262 g	25 3 672 25 3 749	9 -0 7564 7 0 0478	-2.0160		
INT 1263 9	25 3 609		-2 0160 -2 0160		
INT 1264 9	253 223	1 9162	-2.0180		
INT 1266 9	25 2 783 25 2 491		-2.0180		
INT 1267 g	27 3.672	9 -0 7584	-2 0180 -1 9710	D-22	
INT 1268 9	27 3 749 27 3 609	7. 0.047R	9710		

IMPD1 CRY;2	_	[FONG SSME IMP OUT]	22-NOV-88 06 48
IPOINT 1270 IPOINT 1271	27 3 2234 27 2 7836 27 2 4915	1 9162 -1 9710	
POINT 12/2	34 2.7836	2 5 1 2 5 - 1 9 7 1 0 2 8 0 2 7 - 1 9 7 1 0	
POINT 1273	7 27 3 5436	-0 9258 -1 9710	
POINT 1274	7 27 3 5436 7 27 3 6696 7 27 3 5725	-0 1454 -1 9710	
POINT 1275	27 3.5725 27 3.2426	9 8067 - 1 9710 1 7638 - 1 9718	
POINT 1277	7 27 28562	1 7039 -1 9710 2 2926 -1 9710	
JPOINT 1278	7 27 2 5736	2 6059 -1 9710	
POINT 1279	29 3.1069	-1.4376 -1.8260	
POINT 1281	29 3 3427 29 3 4200		
POINT 1282	5 29 3.2643	0 1515 -1 8260 1 0315 -1 8260	
POINT 1283	29 3 0108 29 2 7984	1.6294 -1.8260	
POINT 1284 POINT 1285	29 2 7984	1 6294 -1 8260 1 9719 -1 8260	
POINT 1286	7 29 3 3282 7 29 3 5077	-1 1988 -1 8260	
IP ČÍNT 1287	29 3 5069	-0 4582 -1 8260 0 4653 -1 8260	
POINT 1288	7 29 3 5077 7 29 3 5068 7 29 3 2668	0 4663 -1 8260 1 3671 -1 8260	
POINT 1289 POINT 1290	/ 29 20422	1 9640 - 1 2260	
	29 2.7023	2 2829 -1 8260	
POINT 1292	29 2 7023 29 3 4828 29 3 6173	2 2829 -1 8260 -1 0064 -1 8260 -0 2362 -1 8260	
POINT 1293	29 35552	0.7081 -1.8260	
POINT 1294 POINT 1295	29 3 2608	1 6041 -1 8260	i de la companya de la companya de la companya de la companya de la companya de la companya de la companya de
POINT 1295	29 3 2608 29 2 8839 29 2 6121	2 1962 -1 8260 2 5135 -1 8260	
JPOINT 1297	31 3 4828	2 5135 -1 8260 -1 0054 -1 7810	
POINT 1298	31 36173	-0 2362 -1 7810	
POINT 1399	31 3 5552	0 7081 -1 7810 1 6041 -1 7810	
POINT 1301	31 2 8839	1 6041 -1 7810 2 1962 -1 7810	
POINT 1302	31 2 6 1 2 1	2 5135 -1 7810	
POINT 1303	31 3 3282	-1.1988 -1.7810	
POINT 1304 POINT 1305	7 31 3 5077 7 31 3 5068		
POINT 1306	31 3 2668	0 4653 -1 7810 1 3671 -1 7810	
POINT 1307	31 2 7623		
POINT 1308 POINT 1309	31 2 7023	2 2829 -1 7810	<u></u>
POINT 1309 POINT 1310	33 2 7844 33 3 0981	-1 7665 -1 6360	
POINT 1311	33 3 0981 33 3 2848 33 3 2477	-1 1292 -1 6360 -0 2888 -1 6360	
POINT 1312	33 3 2848 33 3 2477 33 3 6734	-0 2888 -1 6360 0 5712 -1 6360	
POINT 1313 9	33 3 0734 33 2 9220	1 1949 - 1,6380	
	33 2 9220	1 5281 -1 6360 -1 4630 -1 6360	
POINT 1315	33 3 0830 33 3 3248	-1.4630 -1.6360 -0.7688 -1.6360	
POINT 1317	33 3 4105	0 1180 -1 6360	
POINT 1318 POINT 1318	33 3 2637	0 9966 -1 6360	·
POINT 1320	33 3.0171 33 2.8085	1 5945 -1 6360 1 9385 -1 6360	
PÖINT 1321 - 9	33 3 2588	-1 2768 -1 6360	
POINT 1322	33 3 4566	-0 5492 -1 6360	
POINT 1323 POINT 1324	33 3 4105 33 3 2637 33 3 0171 33 2 8085 33 3 2588 33 3 4566 33 3 2681	0.3641 -1.6360 1.2527 -1.6360	
FOXINI 1325 3	33 3 2681	1 2527 -1.6360	

IMPD1 CRY;2		SAM_DISK		. 1742 . 001]		22-NOV-88 06 48
OINT 1325	9 33 9 35	2 9661 2 7351	1 8555 2 1838 -1 2768	-1 6360 -1 8360		
POINT 1326 POINT 1327	33	2.7351	2 1838	-1.6360		
POINT 1328	y 35	3 2588	-1 2768	-1.5910		
OINT 1329	35	3.4566	-0.5492	-1.5910		
OINT 1330	y 35	3 4810	0 3641 1 2527	-1 5910		
OINT 1331	7 7 7 	3 268!	-1-2927	-1.5910		
OINT 1332	3 30	2 9861 2 7361	1 8555 2 1838	-1 5910		
OINT 1333	7 30	3 0830		-1.5910		
201NT 1334	γ 3E	3 3248	-1 4630 -0 7688	-1 5910		
OINT 1335	1 22 -	3 4105	0 1180	-1 5910 -1 5910		
POINT 1336	7 36	3 2637	0.9966	-1.5910		
POINT 1337	7 36	3 2637 3 0171	FOLE	-1.5910		
POINT 1338	7 36	2.8085	9385	-1 5910 -1 5910	•	
POINT 1339	5 36	2.7844	1 5945 1 9385 -1 7665	-1.5450		
POINT 1340 -	5 3 6	3.0981	-1 1292	- 1.5450		
POINT 1341	5 3 Š	3 2848	-0 2888	-1 5450		
POINT 1342	99 36 36 36 36 36 36 36 36 36 36 36 36 36	3 2477 3 0734 2 9220	-0 2888 0 5712	-1 5450		
OINT 1343	5 36	3 0734	1 1949	-1 5450		
POINT 1344	<u> 5</u> 36	2.9220	1.5281	-1 5450 -1 5450		
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	5 37 -	3 0981	-1 1292	-1.4500		· i
POINT 1347 POINT 1348	2 37	3 2848	-0 2888	-1.4500		
POINT 1349	2 37	3 2477 3 0734 2 9220 2 9936 3 2579	0 5712	-1.4500		
OINT 1350	2 3/	2 9220	1 1949 1 5281	-1 4500		
OINT 1351	7 34	2 9936	-1 5585	-1 4500 -1 4500 -1 4500		
POINT 1352	ว่ รัว	3 2579	-0 9913	4500		
POINT 1353	7 37 7 37 7 37 2 37	3 3750	-0 8813 -0 0080	-1 4500		
20INT 1354	737_	3 2821	0.2652	-1 4600		
OINT 1355	7 37	3 0377	1.4707	-1.4500		
POINT 1356	7 37	2.8466	1.8133	-1 4500		
POINT 1357	7 39 7 39 7 39	2.9936	- 1 . 5585	-1 4060 -1 4060 -1 4060 -1 4060	k.	
201NI 1368	7 39	3 2579	-0.8813	-1 4050		
OINT 1369	7 39	3.3750	-0.0080	-1 4050		
POINT 1360	7 39 7 39	3 2621 3 0377	0 8658 1 4707	-1.4060		
POINT 1361 POINT 1362	7 39	3.0377	1 4707	-1.4050	•	
OINT 1401	7 39	2.8465	1 8133	-1_4060		
OINT 1406	3 1					
POINT 1411	3 3 3 5					
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OINT 1486	3 27				D-23	
OINT 1471	3 29					
QINI 1476	3 31 3 33					
OINT 1481	3 33					

* IMPUT DRY 2 DIRECTORY SAM_DISK [FONG SSME	IMP OUT]		22-NOV-88 06 48 Page
JPDINT 1486 3 35 JPDINT 1491 3 38 EFSYS 1 0 0 0 0 0 1 0 0 0 0 1 0 1 0 0 0	1		
HUB MESH 1			
THE 179185 330 245 308 24071558-5 1 86 240 31 185			
JUK ID 1			
INES 2792B5 331 246 309 2417156B-5 2 87 241 32 186 INES 5 IN		• .	
SOLID 0 0 1 SOLID 465 160 1 SO 0 PRES A HUB SOLID 460 165 1 SO 0 PRES B HUB			
SOLID 465 170 1 SO 0 PRES C HUB			
00 10 475 180 1 50 0 PRES F HUB 00 10 480 185 1 50 0 PRES F HUB 00 10 485 190 1 50 0 PRES G HUB			
OLID 485 190 1 ŜÕ 0 PRĒŠ Ġ HŪB OLID 490 195 1 SÕ 0 PRĒŠ H HUB OLID 495 200 1 SÕ 0 PRĒŠ I HUB			
OLID 495 200 1 50 0 PRES THUB OLID 500 200 1 50 0 PRES JHUB OLID 505 210 1 50 0 PRES KHUB OLID 510 215 1 50 0 PRES KHUB			
OLTD 510 215 1 90 0 POPES I LINTE			,
OLID 525 230 1 S0 0 PRES 0 HUR			
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ME O O 1 1 SIDE ONE BOT	•		
H 3 SH 2 S ,			
NES 213285 18611568-5 2			
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OLID 0 0 1 OLID 1 485 1 SO 0 PRES S HUB H 3 GE MESH 1			
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S 1 NES 1067112 3779285 331 246 309 24171918-5 36672601	1-1 106 87 241		
NES 172 200			
NES 379385 332 247 310 24271578-5 3 88 242 217 63 E S			
VAME 240 308 LOW HUB VAME 155 240 LOW HUB SOLID 0 0 1			•
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IMPD1 CRY, 2 Directory SAM_DISK [FONG SSME]	MP OUTT		20 101 20 00 40 5
OLID 460 185 1 SO 0 PRES - B MIR	•		22-NOV-88 06 48 Page
10 10 455 170 1 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<u> </u>		
DLID 480 185 1 SO 0 PRES F HUB DLID 485 190 1 SO 0 PRES G HUB			
DLID 490 196 1 SO 0 PRES H HUB DLID 496 200 1 SO 0 PRES I HUB DLID 500 205 1 SO 0 PRES J HUB			
OLID 505 210 1 SO O DOPES I LIND	· · · · · · · · · · · · · · · · · · ·		
DLID 510 215 1 50 0 PRES L HUB DLID 515 220 1 50 0 PRES M HUB DLID 520 225 1 50 0 PRES M HUB DLID 525 230 1 50 0 PRES M HUB			
OLID 530 235 1 SO 0 PRES P HUB OLID 535 240 1 SO 0 PRES Q HUB			
OLID 240 608 1 SO 0 PRES R HUB OLID 1 540 1 SO 0 PRES S HUB			
0110 1 540 1 50 0 PRES & HUB H 3 GE MESH 1 2 SH 4		:	
S 1 NES 3763B5 2177157B-5 3 RID 1	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
NES 113T125 279T2678-1 113			
E 3 1 DLID 0 0 1 DLID 1 515 1 SO 0 PRES S HUB			
ÖLİÖ 1515 1 SO O PRES S HUB H 3 GE MESH 3 ŞH 5			
NES 1137125 6879385 332 247 310 24272228-5 27972678	-1 113 125 279 88 242		,
NES 479485 333 248 311 24371588-5 4 89 243 188 34 E 5 1			
AME 156 240 LOW HUR			
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OLTO 510 215 1 50 0 POSE 1 116			
OLID 510 215 1 \$0 0 PRES L HUB	D-24		
OLID 570 215 1 50 0 PRES L HUB OLID 515 220 1 50 0 PRES M HUB OLID 526 225 1 50 0 PRES M HUB OLID 526 230 1 50 0 PRES M HUB OLID 526 230 1 50 0 PRES P HUB			

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   IUSOLID 535 240 1 S0 0 PRES Q HUB
IUSOLID 1240 608 1 S0 0 PRES R HUB
IUSOLID 1 540 1 S0 0 PRES S HUB
MESH 3
MERGE MESH 3 4
MESH 6
MSYS 1
SLINES 4734B5 18811588-5 4
IUGRID 1
SLINES 473485 188T158B-5 4

IJGRID 1

SLINES 126T132 286T280B-1 126

RULE 3

IJSOLID 0 0 1

IJSOLID 1 485 1 SO 0 PRES S HUB

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MERGE MESH 5

MESH 5

MESH 3

LINES 126T132 39T94B5 333 248 311 243T193B-5 286T280B-1 126

SLINES 89 243 132 286

IJGRID 1

SLINES 89 243 132 286

IJGRID 1

SLINES 5795B5 334 249 312 244T159B-5 5 90 244

RULE 5

IJANAME 155 240 LOW HUB

IJNAME 155 240 LOW HUB

IJSOLID 465 160 1 SO 0 PRES B HUB

IJSOLID 465 170 1 SO 0 PRES C HUB

IJSOLID 465 170 1 SO 0 PRES C HUB

IJSOLID 465 170 1 SO 0 PRES C HUB

IJSOLID 470 175 1 SO 0 PRES C HUB

IJSOLID 470 175 1 SO 0 PRES C HUB

IJSOLID 475 180 1 SO 0 PRES C HUB

IJSOLID 485 190 1 SO 0 PRES C HUB

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                         TNES 1261132 28612808-1 126
        MEST 0
MEST 1
SLINES 519585 334 249 312 24411598-5 5 90 244
     TUGETO 1
SLINES 133T151 335 305 313 30472878-1 133 150 304
RULE 3
1 USOL ID 0 0 1
IUSOL ID 0 0 1
IUSOL ID 1 540 1 SO 0 PRES S HUB
KNAME 0 0 3 3 SIDE TWO BOT
                                                                                                                                                                                                              Directory SAM_DISK [FONG.SSME_IMP OUT]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22-NOV-88 06 48
      MESH 3
MERGE MESH 7
WSHROUD
WMESH 9
MSYS 1
                                                            1091 1357712558-6 1210711508-5 10017108685
             INES 1091 1357712558-6 1210T11508-5 1001T108885

LINE 1086 1096 1091

LINE 1086 1096 1091

LINE 1087 1097 1092

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      KNAME 0 0 1 1 SIDE ONE TOP

MESH 10

MSYS 1

SLINES 1181T11518-5 1002T1032B6 1181

FLIGRED 1

SLINES 1101T1107 1221T12158-1 1101

RULE 3

I JSOLID 0 0 1

I JSOLID 0 0 1

I JSOLID 1401 1221 1 SO 0 PRES S SHRIMESH 1
      MESH 1
MERGE MESH 9
MESH 11
MERGE MESH 9
MESH 11
MSVS 1
SLINES 1092 1358712588-6 1211711868-5 1221712158-1 110171107 10377108785
SLINES 1107 1221
PLINE 1087 1097 1092
IMPRID 1
SLINES 1093 1359712578-6 1212711528-5 10037108885 1212 1063
PLINE 1088 1098 1093
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       D-25
                                                                      1001 1091
                                                                                                                                                                                                  HIGH SHRD
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ORIGINAL PAGE IS OF POOR QUALITY

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* IMPD1 CRY: 2 Directory SAM_DISK [FONG SSME IMP	OUT]				22-NOV-81	3 06 48 Pas
USOLID 1001 1406 1 SO 0 PRES A SHRD USOLID 1006 1411 1 SO 0 PRES B SHRD USOLID 1011 1416 1 SO 0 PRES B SHRD USOLID 1016 1421 1 SO 0 PRES D SHRD						
TOSOCIO TOZI 1420 I SII II DOFC E CUDN			-	······································		
USOLID 1026 1431 1 30 0 PRES 5 SED USOLID 1031 1436 1 50 0 PRES 5 SED USOLID 1036 1441 1 50 0 PRES 6 SED		·				
IJSOLID 1036 1441 1 50 0 PRES H SHRD IJSOLID 1041 1446 1 50 0 PRES I SHRD IJSOLID 1046 1451 1 50 0 PRES I SHRD						
USOL ID 1046 1450 1 30 0 9925 1 300 USOL ID 1051 1456 1 30 0 9925 K 3460 USOL ID 1056 1456 1 30 0 9925 K 3460					·	
JS01 ID 1066 1471 1 50 0 PRES M SHRD						
USOLID 1071 1476 1 SO 0 PRES 0 SHRD				<u> </u>	·	
Hanth Jar 1481 1 20 0 back a chou				•		
USOL ID 1401 1210 1 SO 0 PRES S SHRD ESH 1 ERGE MESH 9 10						
JESH 12						
INES 1212T11528-5 1003T1063B5 1212					<u> </u>	
TNES 1222T1234 1121T1109B-1 1222						
SÖLÍD 0 0 1 SOLÍD 1401 1234 1 SO 0 PRES S SHRD						
SH 1 RGE MESH 11 ESH 13						4
Y\$ 1	198E 1004 1104					
THES 1093 1359T1257R-6 1234T1222R-1 1109T1121B1 1068T108 THE 1088 1098 1093 GRID 1 THE 1094 1360T1255R-6 1237T1550R 5 1007T102RT	1234 1121					
TNES 1094 1360T1258B-6 1213T1153B-5 1004T1089B5 1034 118 TNE 1089 1099 1094	13					
NAMÉ 1001 1091 HIGH SHRD SOLID 0 0 1						
SQL ID 1011 1416 1 SÕ O PRËS "C SIRT SQL ID 1016 1421 1 SÕ O PRËS "D SURD"				:		
SOLID 1026 1431 1 SO 0 PRES E SURD						
SOLID 1031 1436 1 SO 0 PRES G SURD SOLID 1036 1441 1 SO 0 PRES H SURD SOLID 1041 1446 1 SO 0 PRES H SURD						
SOLID 1046 1451 1 SO 0 PRES (1 SUB)						
SOLID 1056 1461 1 SO O PRES L SHRD						
SOL 10 1061 1466 1 50 0 PRES W SURD				 -		
MPD1 CR1 2 Directory SAM_DISK (FONG SSME IMP OF	uŦj				22-NOV-88	06 48 Page
1MPO 1 091 2 Directory SAM_DISK [FONG SSME IMP ON SOLID 1071 1476 1 SO 0 PRES 0 SHED	UT]				22-NOV-88	06 48 Plage
MPO	UT)				22-NOV-88	06 48 Plage
IMPO: 28: 2 Directory SAM_DISK (FONG SSME IMP ON SOLID 107: 1476 1 SO 0 PRES 0 SHRD SOLID 108: 1486 1 SO 0 PRES 0 SHRD SOLID 1086 1481 1 SO 0 PRES 0 SHRD SOLID 1086 1491 1 SO 0 PRES R SHRD SOLID 1080 1491 1 SO 0 PRES S SHRD SOLID 10401 1210 1 SO 0 PRES S SHRD SOLID 108 1491 1 SO 0 PRES S SHRD SOLID 108 1491 1 SO 0 PRES S SHRD SOLID 108 1 SO 0 PRES S SHRD SHRD SHRD SHRD SHRD SHRD SHRD S	UT)				22-NOV-88	06 48 Plage
MPO CR 2 Directory SAM_DISK [FONG SSME IMP ON SOLID 1071 1476 1 SO O PRES 0 SMRD 1076 1481 1 SO O PRES 0 SMRD 1081 1486 1 SO O PRES 0 SMRD 1086 1491 1 SO O PRES 0 SMRD 1086 1491 1 SO O PRES 8 SMRD 1086 1491 1 SO O PRES 8 SMRD 1086 1491 1 SO O PRES S SMRD 1086 1491 1200 120	u t)				22-NOV-88	06 48 Page
Section Sam_DISK Fong SSME IMP OF COLD 1071 1476 S0 0 PRES 0 SMED 100 101 1071 1481 S0 0 PRES 0 SMED 101 1076 1481 S0 0 PRES 0 SMED 101 1086 1491 S0 0 PRES 0 SMED 101 1086 1491 S0 0 PRES 0 SMED 101	UT)				22-NOV-88	06 48 Page
Section Sam_DISK Fong SSME IMP OF COLD 1071 1476 S0 0 PRES 0 SMED 100 101 1071 1481 S0 0 PRES 0 SMED 101 1076 1481 S0 0 PRES 0 SMED 101 1086 1491 S0 0 PRES 0 SMED 101 1086 1491 S0 0 PRES 0 SMED 101	UT]				22-NOV-88	06 48 Page
Section Sam_DISK Section Sam_DISK Section Se					22-NOV-88	06 48 Page
Section Sam_DISK Fong SSME IMP OF COLD 1071 1476 S0 0 PRES 0 SMRD 1015 1071 1476 S0 0 PRES 0 SMRD 1015 1481 S0 0 PRES 0 SMRD 1015					22-NOV-88	06 48 Page
MPC CR 2 Directory SAM_DISK [FONG SSME IMP ON SOLID 1071 1476 1 SO O PRES 0 SMRD 1076 1481 1 SO O PRES 0 SMRD 50 LD 1081 1486 1 SO O PRES 0 SMRD 50 LD 1086 1486 1 SO O PRES 0 SMRD 50 LD 1086 1491 1 SO O PRES S SMRD 50 LD 1096 1491 120 1 SO O PRES S SMRD 50 LD 1096 1210 120					22-NOV-88	06 48 Page
MPD: CR: 2 Directory SAM_DISK (FONG SSME IMP ON SOLID 107: 1476 SO O PRES O SHRD SOLID 1075 1481 SO O PRES O SHRD SOLID 108: 1486 SO O PRES O SHRD SOLID 1086 1481 SO O PRES O SHRD SOLID 1086 1481 SO O PRES O SHRD SOLID 1401 1210 SO O PRES S SHRD SH O SHRD					22-NOV-88	06 48 Page
IMPO					22-NOV-88	06 48 Page
MPC CR 2 Directory SAM_DISK [FONG SSME IMP ON SOLID 1071 1476 SO O PRES O SARD SOLID 1075 1481 SO O PRES O SARD SOLID 1081 1486 SO O PRES O SARD SOLID 1086 1491 SO O PRES R SARD SOLID 1401 1210 SO O PRES R SARD SOLID 1401 1210 SO O PRES R SARD SOLID 1401 1210 SO O PRES R SARD SOLID 1401 1210 SO O PRES R SARD SOLID 1401 1210 SO O PRES R SARD SOLID 1401 1210 SO O PRES R SARD SOLID 1401 1210 SO O PRES R SARD SOLID 1401 1210 SOLID 1401 SOLID					22-NOV-\$8	06 48 Page
MPC CR 2					22-NOV-98	06 48 Page
MPO					22-NOV-88	06 48 Page
MPO					22-NOV-88	06 48 Page
MPO CQ 2 Directory SAM_DISK FONG SSME IMP ON SOLID 107: 1476 SO O PRES O SHRD					22-NOV-\$8	06 48 Page
IMPO					22-NOV-98	06 48 Page
MPD CQ 2 Directory SAM_DISK (FONG SSME IMP ON SOLID 107: 1476 SO O PRES O SHRD					22-NOV-\$8	06 48 Page
SOLID 1071 1476 SO 0 PRES 0 SHRD SOLID 1076 1481 SO 0 PRES 0 SHRD SOLID 1076 1481 SO 0 PRES 0 SHRD SOLID 1081 1486 SO 0 PRES 0 SHRD SOLID 1086 1481 SO 0 PRES 0 SHRD SOLID 1086 1491 SO 0 PRES 0 SHRD SOLID 1401 1210 SO 0 PRES SHRD SOLID 1401 1210 SO 0 PRES SHRD SHRD SOLID 1401 1210 SO 0 PRES SHRD					22-NOV-88	06 48 Page
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IMPD1 CRY 2	

- [MPD1 CRY; 2 Directory SAM_DISK [FONG SSME IMP OUT]		22-NOV-88 06 48 Page 23
MSET 12 COPY NAME PRES A VANB MSET 12 INSE NAME PRES B VANB MSET 13 COPY NAME PRES A VANC		
MSET 12 INSE NAME PRES 8 VANB MSET 13 COPY NAME PRES 8 VANC MSET 13 INSE NAME PRES 8 VANC MSET 14 COPY NAME PRES A VAND		· · · · · · · · · · · · · · · · · · ·
MŠĒT 13 ĬŇSĒ NĀMĒ PRĒŠ B VĀNČ MSĒT 14 COPY NĀMĒ PRĒS A VAND MSĒT 14 INSĒ NĀMĒ PRĒS B VAND		
WIST I INSERT NAME SIDE OME VLIST 2 INSERT NAME SIDE TWO	No. of the second secon	
#MESH 22		
DITTO MESH 1121		
MSET 21 COPY NAME PRES A VANA		
MSET 22 DOEL MSET 11 MSET 22 COPY NAME PRES A VANB MSET 22 INSE NAME PRES B VANB		
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MSET 24 COPY NAME PRES A VAND MSET 24 INSE NAME PRES B VAND MSET 24 DELF MSET 14		
NSET 3 COPY NAME SIDE ONE		
NSET 4 COPY NAME SIDE TWO USET 4 DELE MEST 1 USET 2 THE FOR MEST 2		
NLIST 4 INSERT NSET 4		
SET SYNTAX ON LET SANG = 60		
M INSERT INTO MSET 21-24 FOR SINE LOADING MSET 21 COPY NAME PRES A VANA MSET 21 TOSE NAME PRES B VANA MSET 22 COPY NAME PRES A VANB MSET 22 COPY NAME PRES A VANB MSET 22 COPY NAME PRES A VANB MSET 22 COPY NAME PRES B VAND MSET 23 COPY NAME PRES B VANC MSET 23 INSE NAME PRES B VANC MSET 23 INSE NAME PRES B VANC MSET 23 INSE NAME PRES B VANC MSET 23 INSE NAME PRES B VANC MSET 24 COPY NAME PRES B VANC MSET 24 COPY NAME PRES B VANC MSET 24 DELE MSET 14 NSET 3 COPY NAME SIDE ONE NSET 4 COPY NAME SIDE ONE NSET 4 COPY NAME SIDE ONE NSET 4 COPY NAME SIDE TWO NSET 4 COPY NAME SIDE TWO NSET 4 COPY NAME SIDE TWO NSET 4 OBLE MESH 1721 NSET 3 INSERT NSET 3 NLIST 3 INSERT NSET 3 NLIST 4 INSERT NSET 3 NLIST 3 INSERT NSET 3 NLIST 4 INSERT NSET 3 NLIST 4 INSERT NSET 3 NLIST 3 INSERT NSET 3 NLIST 4 INSERT NSET 3 NLIST 4 INSERT NSET 3 NLIST 4 INSERT NSET 3 NLIST 3 INSERT NSET 3 NLIST 3 INSERT NSET 3 NLIST 4 INSERT NSET 3 NLIST 3 INSERT NSET S NLIST 3 INSERT NSET 3 NLIST 3 INSERT NSET S NLIST 3 INSERT NSET S NLIST 3 INSERT NSET S NLIST 3 INSERT NSET S NLIST 3 INSERT NSET S NLIST 3 INSERT NSET S NLIST 3 INSERT NSET S NLIST 3 INSERT NSET S NLIST 3 INSERT NSET S NLIST 3 INSERT NSET S NLIST 3 INSERT NSET S NLIST 3 INSERT NSET S NLIST S NLIST S NLIST S NLIST S NLIST S NLIST S NLIST S NLIST S NLIST S NLIST S NLIST S NLIST S	•	
SENSKEW 1 1 0 SANG 0 1 NOSKEW SKEW 1 NLIST 2 NOSKEW SKEW 1 NLIST 2 NOSKEW SKEW 1 NLIST 4 LET STORT = SCOS STHET		
LET STENT = %IFL(NIST NV O 1)		
LET SIRN = %LFM(SIRN') LET SIRN2 = %LFL(NLST NV O 2) LET SIRN2 = %LFM(SIRN2 1)		÷
LET 9 IRN1 = %LFM(9 IFN1 1) LET 9 IRN2 = %IF(NLST NV 0 2) LET 9 IRN2 = %LFM(8 IFN2 1) LET 9 IRN3 = %LFM(8 IFN3 1) LET 9 IRN3 = %LFM(8 IFN3 1) LET 9 IRN3 = %LFM(8 IFN3 1) LET 9 IRN4 = %IF(NLST NV 0 4) LET 9 IRN4 = %LFM(9 IFN4 1) 30 10 \$T = 1 1000 1 15 T \$N.5 = \$1 RG 1 5 10N1 5 1		
LET SIRM4 = %IF(NLST NV 0 4) LET SIRM4 = %LFM(SIFM4,1) DO 10 SI=1 1000 1	<u> </u>	
IF 4N (20 20 ()		
LET SN3 = SIBC1 SIRNS SI		
		
•		
- IMPD1 CRY; 2 Directory SAM_DISK: [FONG SSME IMP.OUT]		22-NOV-88 06 48 Page 2
ET 8N4 = %IBC1'3IRN4 8I) <u>SENCON 3 9N1 9N2 9N4 1 1 1 -1 8COSA 8SINA 0 1 0E9</u> <u>SENCON 3 9N3 8N2 9N4 1 1 1 -1 8SINN 8COSA 0 1 0E9</u>		
GENCON 3 9N1 9N2 9N4 2 2 2 -1 8COSA 8SINA 0 1 0E9		
SENCON 3 9N7 9N2 9N4 2 2 2 -1 8COSA 8SINA 0 1 0E9 SENCON 3 9N3 9N2 9N4 2 2 2 -1 8SINN 8COSA 0 1 0E9 SENCON 3 9N3 9N2 9N4 3 3 3 -1 8COSA 8SINA 0 1 0E9 SENCON 3 9N3 9N2 9N4 3 3 3 -1 8SINA 8COSA 0 1 0E9	· · · · · · · · · · · · · · · · · · ·	
10 NOP		
20 NOP LET SIRMS = %RFM(&IFNS 1 0 SIRNS) LET SIRMS = %RFM(&IFNS 1 0 SIRNS) LET SIRMS = %RFM(&IFNS 1 0 SIRNS)		
LET SIRM : "REMISIENT : 0 SIRM ! NSET 10 COPY FREQ 0 0 NAME TORO IPUT NSET 10 INSERT FREQ 0 0 NAME TORO OPUT NSET 10 DELETE NAME SIDE TWO NLIST 10 INSERT NSET 10		
NSET 10 INSERT FREQ 0 0 NAME TORQ OPUT		
NL:ST 'O INSERT NSET 10 -ET SIEN1 = %IFL:NLST NV 0 10) -ET SIRN1 = %IFM:RIFN1 17		
30 30 41 1 2000 1 LET SN1 = %IBC1(&IRN1 31)		
IF SN 40 40 1 LET SX = 3XN(SN1 1)		
LET SY = %XN(SN1 2) LET SXY = SX SY JENCON 2 SN1 SN1 1 2 C1 -1 C2 SXY 0 1 DES		:
30 NOP 40 NOP		
LET SIRM! = SREM SIEN! ! O SIRN!! SET SYNTAX OFF		
" SUPPRESS TOP EDGE OF HUB IN AXIAL DIRECTION DOFSUP 3 NAME AXIS SUPP HUB		
DOFLOO FINISH		
FÎNÎSH STOP		
STOP SBAND START - 1 REGPS		
RAND		
\$TOP \$\$ETUP \$TART 500000		
SETUP STOP SMATL		
SMATL START 500000 MATISO 1 15 5E6 35 # UNKNOWN MATERIAL		e de la companya de l
DENSITY 1 0004196 # DENSITY IN SNAILS LR/38B ORR = SNAILS	D-28	
\$TOP \$MASS \$IART_500000	5 −20	
MASS O W LUMP MASS NEEDED FOR BODY FORCE IN LOAD		

	SYNTAX ON	
•	INPUT VARIABLES 8RPM = 37342	
	### ### ### ### ### ### ### ### ### ##	
***	***************************************	
OS I	NE MODEL 8A111	
Ā	8A1(4) -0 33333 \$ MAX AMPLITUDE SEGMENT "4" \FULL VANE \ 3A1(5) -0 16667 \$ MAX AMPLITUDE SEGMENT "3" \FULL VANE \ 3A1(6) 0 16867 \$ MAX AMPLITUDE SEGMENT "2" \FULL VANE \	
A A	981(5) 0 16667 \$ MAX AMPLITUDE SEGMENT "6" (1ST PARTIAL VANE)	
A A	\$81(1) 0 16667 \$ MAX AMPLITUDE SEGMENT "6" (1ST PARTIAL VANE) \$81(2) 0 16667 \$ MAX AMPLITUDE SEGMENT "5" (1ST PARTIAL VANE) \$81(2) 0 16667 \$ MAX AMPLITUDE SEGMENT "3" (1ST PARTIAL VANE) \$81(4) -0 16667 \$ MAX AMPLITUDE SEGMENT "3" (1ST PARTIAL VANE) \$81(6) 0 16667 \$ MAX AMPLITUDE SEGMENT "2" (1ST PARTIAL VANE) \$81(6) 0 33333 \$ MAX AMPLITUDE SEGMENT "1" (1ST PARTIAL VANE)	
A	SC1(1) -0 16667 \$ MAX AMPLITUDE SEGMENT "3" (2ND PARTIAL VANE - A) 9C1(2) 0 16667 \$ MAX AMPLITUDE SEGMENT "2" (2ND PARTIAL VANE - A) 9C1(3) 0 3333 \$ MAX AMPLITUDE SEGMENT "1" (2ND PARTIAL VANE - A)	
A A A	\$C1(1) -0 16667 \$ MAX AMPLITUDE SEGMENT "3" (2ND PARTIAL VANE - A) \$C1(2) 0 16667 \$ MAX AMPLITUDE SEGMENT "1" (2ND PARTIAL VANE - A) \$C1(3) 0 33333 \$ MAX AMPLITUDE SEGMENT "1" (2ND PARTIAL VANE - A) \$C1(4) 0 16667 \$ MAX AMPLITUDE SEGMENT "5" (2ND PARTIAL VANE - A) \$C1(5) -0 16667 \$ MAX AMPLITUDE SEGMENT "5" (2ND PARTIAL VANE - A) \$C1(5) -0 33333 \$ MAX AMPLITUDE SEGMENT "4" (2ND PARTIAL VANE - A)	
A A A	\$31(1) -0 16667 \$ MAX AMPLITUDE SEGMENT "3" (2ND PARTIAL VANE - B) \$31(2) 0 16667 \$ MAX AMPLITUDE SEGMENT "2" (2ND PARTIAL VANE - B) \$10(1) 0 16667 \$ MAX AMPLITUDE SEGMENT "4" (2ND PARTIAL VANE - B)	
A A	801(4) 0 16667 \$ MAX AMPLITUDE SEGMENT "6" 2NO PARTIAL VANE - B 801(5) -0 16667 \$ MAX AMPLITUDE SEGMENT "5" (2ND PARTIAL VANE - B) 901(6) -0 33333 \$ MAX AMPLITUDE SEGMENT "4" (2ND PARTIAL VANE - B)	
INE	8A2(2) -O 28868 \$ MAX AMPLITUDE SEGMENT "6" (FULL VANE)	
A A A	\$A2(3) -0 28868 \$ MAX AMPLITUDE SEGMENT "5" (FULL VANE) \$A2(4) 0 00000 \$ MAX AMPLITUDE SEGMENT "4" (FULL VANE) \$A2(5) 0 28868 \$ MAX AMPLITUDE SEGMENT "3" (FULL VANE) \$A2(6) 0 28868 \$ MAX AMPLITUDE SEGMENT "2" (FULL VANE)	
Α	\$8212 -8 28868 \$ MAX AMPLITUSE SEGMENT "6" (1ST PARTIAL VANE)	
Α	D1 CRY 2 Directory SAM_DISK [FONG SSME IMP OUT] 882(3) 0 00000 \$ MAX AMPLITUDE SEGMENT "4" (IST PARTIAL VANE)	22-NOV-88 06 48
A A A	882(3) 0 00000 \$ MAX AMPLITUDE SEGMENT "4" (1ST PARTIAL VANE) 882(4) 0 28868 \$ MAX AMPLITUDE SEGMENT "3" (1ST PARTIAL VANE) 882(5) 0 28868 \$ MAX AMPLITUDE SEGMENT "2" (1ST PARTIAL VANE) 882(6) 0 00000 \$ MAX AMPLITUDE SEGMENT "1" (1ST PARTIAL VANE)	22-NOV-88 06 48
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.20 &I SE &	# 1 &NSEG 1 IC = &NSEG + &I	S LOOP THROUGH NUMBER OF SEGMENTS			:
\$F 81 8F 81	P1 = &PRES = \$81(\$1) P2 = \$PRES = \$82(\$1) P1 1 3 MSET 12 P2 1 3 MSET 22 N = &I - 1	\$ ACTUAL PRESSURE ON COSINE \$ ACTUAL PRESSURE ON SINE \$ COSINE \$ SINE \$ TIME INCREMENT FOR LOOPS			•
	TINE * SPLOA(SN) * SIS	> ITME INCREMENT FOR COOPS	· · · · · · · · · · · · · · · · · · ·	,	
9. 9.	LCI = &IC T1 = &TOF2 + &TINC J2 = &TA + &TOF2 + &TIN T3 = &TB + &TOF2 + &TIN	[· · · · · · · · · · · · · · · · · · ·	
E &	LCO 4T1 LCI 4T2 LCO 4T3	<u> </u>	· · · · · ·		
	ILCO 8T3 IDP ILCO 8TV	\$ 0 1 2 3 4			<u> </u>
SE 3		S 2ND PARTIAL VANE (A)			
<u>.</u>	:LC26 = 26 :LC26 : :P1 = &PRES + &C1(6) / 2	S FIRST AND LAST LOAD CASES FOR LTCASE 3 S ACTUAL PRESSURE ON COSINE	· 	·	
(1- 54)	P1 1 3 MSET 13	S ACTUAL PRESSURE ON COSINE S ACTUAL PRESSURE ON SINE S TIME AT END OF INITIAL LOAD CASE S COSINE S COSINE			
	IP2 1 3 MŠĒT 23 ILC26 0 ILC0 &TS12	S SINE S INITIAL LOAD			
		S LOOP THROUGH NUMBER OF SEGMENTS			
30 &1	I = 1 &NSEG 1			i.	
SE 9.	IC = 2 * SNSEG + SI IC P1 = SPRES * SC1(SI) P2 = SPRES * SC2(SI)	\$ ACTUAL PRESSURE ON COSINE \$ ACTUAL PRESSURE ON SINE			
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IMPD1 RF & 8-5	ECRY 2 SASEG + SI ECRY 2 SAPRES * SC2(8I) CRY 2 SAPRES * SC2(8I) CRY 2 Directory AP1 1 3 MSET 13 AP2 1 3 MSET 23 BY 8 8I - 1 BY 1NC * **FLOA(SN) * STS	\$ ACTUAL PRESSURE ON COSINE \$ ACTUAL PRESSURE ON SINE y SAM_DISK [FONG SSME IMP OUT] \$ COSINE \$ SINE \$ TIME INCREMENT FOR LOOPS		22-NOV-88 06 4	18
IMPD1 RF & 8-5	IC = 2 * SNSEG + SI IC P1 = SPRES * SC1(SI) P2 = SPRES * SC2(SI) CRY 2 Directory P1 1 3 MSET 13 P2 1 3 MSET 23	\$ ACTUAL PRESSURE ON COSINE \$ ACTUAL PRESSURE ON SINE y SAM_DISK [FONG SSME IMP OUT] \$ COSINE \$ SINE \$ TIME INCREMENT FOR LOOPS		22-NOV-88 06 4	18 1
SE	CRY 2 Directory LD 1 3 MSET 13 LD 1 3 MSET 23 LD 1 3 MSET 23 LD 1 3 MSET 23 LD 1 3 MSET 23 LD 1 3 MSET 23 LD 1 3 MSET 3	\$ ACTUAL PRESSURE ON COSINE \$ ACTUAL PRESSURE ON SINE y SAM_DISK [FONG SSME IMP OUT] \$ COSINE \$ SINE \$ TIME INCREMENT FOR LOOPS		22-NOV-88 06 4	48
SE	CRY.2 Directory P1 1 3 MSET 13 P2 1 3 MSET 23 N 2 1 3 MSET 23 N 2 1 3 MSET 23 N 2 1 3 MSET 23 N 2 1 3 MSET 23 N 2 1 3 MSET 23 N 2 1 3 MSET 23 N 3 1 1 1 STOR 3 + STOR 3 + STINC STOR 3 + STINC STOR 3 + STIN	\$ ACTUAL PRESSURE ON COSINE \$ ACTUAL PRESSURE ON SINE V SAM_DISK [FONG SSME IMP OUT] \$ COSINE \$ SINE \$ TIME INCREMENT FOR LOOPS NC NC S F		22-NOV-88 06 4	18 1
SE 98 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	IC = 2 * SNSEG + SI IC IC ID = SPRES * SC1(SI) IP2 = SPRES * SC2(SI) IP2 = SPRES * SC2(SI) IP2 = SPRES * SC2(SI) IP2 = SPRES * SC2(SI) IP3 = SPRES * SC2	\$ ACTUAL PRESSURE ON COSINE \$ ACTUAL PRESSURE ON SINE y SAM_DISK [FONG SSME IMP OUT] \$ COSINE \$ TIME INCREMENT FOR LOOPS NC NC		22-NOV-88 06 4	48 5
SE SE SE SE SE SE SE SE SE SE SE SE SE S	IC = 2 * SNSEG + SI IC ID = SPRES * SC1(SI) IP2 * SPRES * SC2(SI) IP2 * SPRES * SC2(SI) IP3 1 3 MSET 13 IP3 1 3 MSET 13 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 2 STOP 3 + STINC IP3 2 STOP	\$ ACTUAL PRESSURE ON COSINE \$ ACTUAL PRESSURE ON SINE y SAM_DISK [FONG SSME IMP OUT] \$ COSINE \$ SINE \$ TIME INCREMENT FOR LOOPS NC NC NC S		22-NOV-88 06 4	18 6
SE SE SE SE SE SE SE SE SE SE SE SE SE S	IC = 2 * SNSEG + SI IC ID = SPRES * SC1(SI) IP2 * SPRES * SC2(SI) IP2 * SPRES * SC2(SI) IP3 1 3 MSET 13 IP3 1 3 MSET 13 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 2 STA + STOF3 + STIN IP3 2 STA + STOF3 + STOF3 + STIN IP3 2 STA + STOF3 + STOF3 + STIN IP3 2 STA + STOF3 + S	\$ ACTUAL PRESSURE ON COSINE \$ ACTUAL PRESSURE ON SINE y SAM_DISK [FONG SSME IMP OUT] \$ COSINE \$ SINE \$ TIME INCREMENT FOR LOOPS NC NC NC NC NC NC NC NC NC NC NC NC NC		22-NOV-88 06 4	48 F
SE SE SE SE SE SE SE SE SE SE SE SE SE S	IC = 2 * SNSEG + SI IC ID = SPRES * SC1(SI) IP2 * SPRES * SC2(SI) IP2 * SPRES * SC2(SI) IP3 1 3 MSET 13 IP3 1 3 MSET 13 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 1 3 MSET 23 IP3 2 STOP 3 + STINC IF3 2 STOP 3 + STINC IF3 2 STOP 3 + STOP 3 + STIN IF3 2 STOP 3 + STOP 3 + STIN ICC ST3 ICC ST4 ICC ST3 ICC ST4 ICC ST3	\$ ACTUAL PRESSURE ON COSINE \$ ACTUAL PRESSURE ON SINE y SAM_DISK [FONG SSME IMP OUT] \$ COSINE \$ SINE \$ TIME INCREMENT FOR LOOPS NC NC NC S FINAL LOAD \$ 2ND PARTIAL VANE (B) \$ INITIAL LOAD 0 \$ LOOP THROUGH NUMBER OF SEGMENTS		22-NOV-88 06 4	58 5
SE 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	CRY.2 Directory iP1 = &PRES = &C1(&1) iP2 = &PRES = &C2(&1) iP2 = &PRES = &C2(&1) iP2 = &PRES = &C2(&1) iP3 = &PRES = &C2(&1) iP4 1	S ACTUAL PRESSURE ON COSINE S ACTUAL PRESSURE ON SINE Y SAM_DISK [FONG SSME IMP OUT] S COSINE S TIME INCREMENT FOR LOOPS NC NC S FINAL LOAD S PROPERTIAL VANE (8) S INITIAL LOAD B OF SEGMENTS S ACTUAL PRESSURE ON COSINE S COSINE S COSINE S COSINE S TIME INCREMENT FOR LOOPS		22-NOV-88 06 4	58 5
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SE SE SE SE SE SE SE SE SE SE SE SE SE S	CRY 2 Directory in a spress = sc1(s1) in a spress = sc2(s1) in a spress = sc2(s1) in a spress = sc2(s1) in a spress = sc2(s1) in a spress = sc2(s1) in a spress = sc2(s1) in a spress = sc2(s1) in a spress = spre	S ACTUAL PRESSURE ON COSINE S ACTUAL PRESSURE ON SINE Y SAM_DISK [FONG SSME IMP OUT] S COSINE S TIME INCREMENT FOR LOOPS NC NC S FINAL LOAD S PROPERTIAL VANE (8) S INITIAL LOAD B OF SEGMENTS S ACTUAL PRESSURE ON COSINE S COSINE S COSINE S COSINE S TIME INCREMENT FOR LOOPS		22-NOV-88 06 4	58 5
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MPD 1 CRY; 2 Directory SAM_DISK [FONG SSME IMP.OL	
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F 1 1 3 MSET 12 E 29 F 1 1 3 MSET 13 E 30 F 1 1 3 MSET 14 E 31 E 31 F 1 1 3 MSET 21 E 32 F 1 1 3 MSET 22 E 33 E 34	
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	هادف المقابل المستقيل والمسايات السائمين والمسائمين والمستقيل والمستقيل والمستقيل والمستقيل والمستقيل
N IPITE2 S PRINTOUT LOAD TIME HISTOR	RY
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ī.	
500000 1 500000 2500 N RAT=1 001 TSL=LAN 200 32000 DIAG 127134	
200000	
ATT. EV 2 7 [3] COPY ELEM EV 1 7 [3] NTO EV 2 2 3 COPY NV 2 2 [3] NORM NV 2 2 3 COPY RDF NV 2 2 [3] NOT NV 2 2 3 COPY DDF NV 2 2 [3] NR NV 2 2 3 COPY ER EV 2 2 [3] CS NV 2 2 3 COPY ER EV 2 2 [3] NAME EV 2 2 [3] COPY NAME NV 2 2 [3] NAME EV 2 2 [3] COPY NAME NV 2 2 [3] NAME EV 2 2 [3] COPY NAME NV 2 2 [3] NORM DIR 2 2 3 [3] COPY NSET NV 0 2 [3] NORM DIR 2 2 3 [3] COPY NSET NV 0 2 [3]	
NHO EV 2 2 3 COPY X NV ? 2 (3) ORM NV 2 2 3 COPY RDF NV 2 2 (3) OT NV 2 2 (3) COPY DDF NV 2 2 (3) R NV 2 2 (3) COPY DDF NV 2 2 (3) R NV 2 2 (3) COPY DDF NV 2 2 (3)	
ATL EV ? ? [3] COPY ELEM EV ? ? [3] NTO EV ? ? [3] COPY NV ? ? [3] ORM NV ? ? [3] COPY DOF NV ? ? [3] SOT NV ? ? [3] COPY DOF NV ? ? [3] ENV ? ? [3] COPY DOF NV ? ? [3] SOF NV ? ? [3] COPY SKEW NV ? ? [3] SOF NV ? ? [3] COPY SKEW NV ? ? [3] SOF NV ? ? [3] COPY NAME NV ? ? [3] LAME EV ? ? [3] COPY NAME NV ? ? [3] HAME EV ? ? [3] COPY NSET NV 0 ? [3] ON RM DIR ? ? [3] COPY NSET NV 0 ? [3] COPY NSET NV 0 ? [3] COPY UL NV 0 ? [3] LIB MLIB ? [3] COPY UL NV 0 ? [3] LIB NU 0 ? [3] COPY VIBE SV 0 ? [3]	
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V RV ? ? [3]	
EV RV ? ? [3] LTH CRM ? ? [3] LMPF RV ? ? [3]	
PC: CR: 2 Directory SAM_DISK [FONG SSME IMP C	DUT] 22-NOV-88 06 48
	DUT] 22-NOV-88 06 48
	DUT] 22-NOV-88 06 48
T ENTEND 7 EV RV 2 2 T.EXTEND 7 LTH CRM 2 2 T/EXTEND 7 LMPF RV 2 2	DUT] 22-NOV-88 06 48
T EXTEND 7 EV RV 2 2 IT.EXTEND 7 LTH CRM 2 2 IT/EXTEND 7 LMPF RV 2 2	DUT] 22-NOV-88 06 48
T ENTEND 7 EV RV 2 2 T.EXTEND 7 LTH CRM 2 2 T/EXTEND 7 LMPF RV 2 2	DUT] 22-NOV-88 06 48
TEXTEND 7 EV RV 2 2 TEXTEND 7 LTH CRM 2 2 T/EXTEND 7 LMPF RV 2 2	DUT] 22-NOV-88 06 48
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T ENTEND 7 EV RV 2 2 T.EXTEND 7 LTH CRM 2 2 T/EXTEND 7 LMPF RV 2 2	
T EXTEND 7 EV RV 2 2 IT.EXTEND 7 LTH CRM 2 2 IT.EXTEND 7 LMPF RV 2 2	
T ENTEND 7 EV RV 2 2 T.EXTEND 7 LTH CRM 2 2 T/EXTEND 7 LMPF RV 2 2	
T ENTEND 7 EV RV 2 2 T.EXTEND 7 LTH CRM 2 2 T/EXTEND 7 LMPF RV 2 2	
DC: CR: 2 Directory SAM_DISK [FONG SSME IMP CONTENT OF THE CRM ? ? IT/EXTEND 7 LMPF RV ? ?	

INFINPO2	T=7002 CL=DEF	ERRD MFL = 2000000	US=636796						22-NOV-88 06 4
*******	******	2NO DEGENERATE -	COSINE &	******* \$1NE *					
H DN MESH	DF * TR TEXT *	DISKA [FERGUSON	CEXL 3D2 JME	SH CEX	<u> </u>	····			
		DISKB [FERGUSON DISKB [FERGUSON			-				
		DISKB (FERGUSON							
CH. DN:MASS	DE . TR. TEXT . /	DISKE [FERGUSON	CEXL 3D2 JMAS	SS_CEX'		1.	· · · · · ·		
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INT 4 INT 5 INT 6	-5 -5	1 1 8508 1 0 3380	5 576a						
DINT 7	-5 -5 -5	3 4 3617 3 3 3006	5 8653 2 4657 3 5218 4 5315	-3 6379 -3 6379 -3 6379					
NT 18		3 0 5963	5 5743	-3.6379 -3.6379			<u> </u>		
OINT 11 OINT 12 OINT 13	-5 -5 -5	5 4 3232	2 1801 3 1298	-3 6504 -3 6504			• .		
INT 13 SINT 14 SINT 15	-5 -5	5 3 3604 5 2 1791 5 0 8458	4 1464 4 8721 5 2697	-3 6504 -3 6504					
INT 16 INT 17	-5 -5	7 4 7009 7 4 2684 7 3 4157	1 8942 2 7327 3 7443	-3 6630 -3 6630					<u></u>
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INT 19	-5 -5	ectory SAM_DISK	(FONG SSME 4 5007 4 9493	IMP OUT] -3 6630 -3 6630 -3 6755					22-NOV-88 06 48
INT 19 INT 20 INT 21 INT 22 INT 23	-5 -5 -5 -5	9 4 1718 9 4 484	[FONG SSME 4 5007 4 9493 1 5928 2 3725 3 3379	IMP OUT) -3 6630 -3 6630 -3 6755 -3 6755					22-NOV-88 06 48
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22-NOV-88 06 48 Pla		IMP OUT)	FONG SSME	SAM_DISK	Directory		CRY; 1	TMP02
		-3.6679	0 2845 0 7727	2 3454 2 2327 1 7380	29	-5 -5	74	POINT
		-3.6679 -3.6622	-1 4062	1-4366	- <u>29</u> 31		75	POINT
•		-3 6622 -3 6622	-1 1523	1.9158	31	-5	. 17	POINT
		-3 6622	-0 5366	2 1703	31	-Š	78	POINT
		-3.6622 -3.6622	-0.0400	2.2353	31	Š	7 <u>9</u> 80	POINT
		-3.6622	-0 5366 -0 0400 0 4323	2 1934	31	-5		POINT
·		-3.6650	-15998	1 4229	33 33	-5	81	POINT
		-3 6550	-1 3463 -0 7960	1.6647 1.9875	33	-5	82	POINT
		-3.6550 -3.6550	-1 3463 -0 7960 -0 3336	2 1149	33 33		83	POINT
		-3.6550	0 1199	2 1376	33	-5	85	POINT
	•	-3 6550	-1 7838	1 0501	35	-5	86	POINT
1		-3.6650	-1.5182	1 4071	33 35 35 35		87	POINT
		-3 6550	-1.5182 -1 0362	1 7920	35	-5	88	POINT
•		-3 6660	-0 6112	1 9777	35 35	-5	89	POINT
	•	-3 6550	-0 1804	2.0621	35	2	90	POINT
		-3.6650 -3.6650	-1 5813 -1 3458	0 9309 1 2474	39 39		91 92	POINT
		-3 6550 -3 6550	-0 9185	5886	38	-5	93	POINT
1		-3 6550	-0 5418	1 7532	39	-5	93 94	JPOINT
•		-3.6550	-0 1599 -1 2519 -1 0655	1 9398	39	-5	96 96	POINT
		-3.6550 -3.6550	-1 2519	0 7370	41	-5	96	POINT
the state of the s		-3 6550	-1 0655	0.9875	41	-5	97	POINT
		-3 6550	-0 7272	1.2576	41	-5	98	JPOINT JPOINT
		-3.6550 -3.6550	-0 4290 -0 1266	1 3880	- 21	- <u>:5</u>	100	FOINT
		-3.6550 -3.6550 -3.6550	-1 0427	0.6138	43	-5	101	POINT
		-3 6550	-0 8874	0 8225	43	- Ē	102	JPOINT
		-3 6550	-0.6057	0 8225 1 0475 1 1560	43	-5	183	IPO INT
		-3 6550	-0.6057 -0.3573	1 1560	43	•5	104	POINT
		-3.6550	-0 1055	1.2054	43	-5	105	POINT
	•	-3 6254	3 9639	4 3363 4 2327	- 1	-5 -5	106	POINT POINT
	·	-3 6379 -3 6504	3.6759 3.3679	4 1404			187	POINT
		-3 6630	3 0458	4 0508	ž	-š	109	POINT
		-3.6755	2 7056	3.9639	ġ	-5	110	POINT
		-3 6880	7.2829 1.7712	3.9139	- 11	5	111	POINT
		-3.7000	1 7712	3.8775	13	-5	112	POINT
		-3 6254	4 9506	3 1634 3 1372	, ,	• <u>5</u>	113	JPÖINT JPÖINT
		-3 6379 -3 6504	4 6461 4 3271	3 1242	Ę	- 5	115	POINT
		-3 6504 -3 6630	4 3271 3 9934	3 1243 3 1208		-5	116	POINT
	•	-3.6755	3 6404	3 1273	ġ	-5	117	POINT
		-3 6880	3.2632	3 1436	11	-5	118	POINT
		-3 7888 -3 7888	2 8994 2 5050	3.1250 3.0955	- 13	5	119	POINI
		-3 7000	2.5050	3 0955		-5 -5	120	POINT
•		-3 7000 -3 7000	2 0943 1 6955	3 0571 2 9876	17 19	-5	121 122	POINT
· · · · · · · · · · · · · · · · · · ·		-3 7000	1 2993	2 8970	4.1	-5	123	IPΩINT
		-3 7000 -3 6933	0 8842	2 7938	23 25	-5	123	POINT
•		-3 6833	0 4009	2.6781	25	-6	125	POINT
		-3.6254	5 6010	1 7734	1	-5 -5	125 126 127 128	POINT
		-3 6379	5 2998	1 8276	3		127	<u>POINT</u> -
		-3.6504	4 9869	9017	5	-5	128	POINT

4P 02	CRY, 1	Direct	ory SAM_DISK	FONG . SSME	IMP.OUT]	·					22-NOV-8	8 06 48	Ple
TMIC	129 130	-5 7 -5 9 -5 11 -6 13	1 9852 2 0800	4 8632 4 3251	-3 6630 -3 6755				•	•			
TNIC	131	-5 11	2.2481	3 9340	-3.6880								
TNIC	132 133	- 5 13	2 4724 0 2561	3 4727 5 8694	-3 7000								
INT	134	-5 3	0.3931	5 5923	-3 6254 -3 6379 -3 6504						•		i
TAIC	135 136	5 3 -5 5 -5 7 -5 9 -5 11	0.5477 0.7100	5 5923 5 3090	-3 6504								
TNIC	136	5 4	0.8842	5 0182 4 7171	-3 6630 -3 6755								
INT	138	-5 11	1.0891	4 3982	-3 6880				·				
TAIC	139 140	-5 13	1 2752 1 4476	4 0677	-3 7000 -3 7000								_
TNIC	141	5 15	1 5996	3.3427	-3.7000								
INT	143	155 17 17 17 17 17 17 17 17 17 17 17 17 17 17 1	1 7394 1 8430	2 9823 2 5854	-3.7000 -3.7000								
TNIC	144	5 23	1.9329	2 2025	-3 6933								
INT	145	·5 25	2.0008	1.8247	-3 6833								
TINI	146	- <u>5</u> 27 -5 29	2 0410 2 0713	1 4852	-3.6751 -3.6679								
THIC	148	-5 31	2.0868	1 1365 0 8020	-3 6622 -3 6580								
DINT DINT	149 150	-5 33 -5 36	2.0969	0 4323	-3 6580 -3 6550								
TNIC	151	-5 33 -5 36 -5 39	2 0680 1 8360	0 4323 0 0000 0 0000	-3 6650 -3 6650								
DINT	152	-5 41	1 4527 1 2100	0 0000	-3 BEEC				•				
TNIC	153 155	-5 43	1.2100 5.2111	0 0000	-3 6550 -3 3925						à .		
DINT		- †	4 3907	2 7129 3 9035	-3 3925								
TNIÖ TNIÖ	157	-1 1	3 . 23 16	4 9064	-3.3925								
TAID		-1 1 -1 1	1 8508	5 5759 5 86 53	-3 3925 -3 3925				* *				
DINT	160	-1 3	5 0396	2 4557	-3 3926							 	
DINT DINT		-1 3	4 3617 3 3006	3 5218 4 5315	-3.3925 -3.3925			*					
DINT	163	-1 3	3 3006 2 0166	5 2308	-3 3926								
DINT		-1 3	0 5963	5 5743	-3 3925						· · · · · · · · · · · · · · · · · · ·		_
DINT DINT		-1 5	4 8716 4 3232	2 1801 3 1298	-3.3925								
DINT	167	-1 5	3.3604	4.1464	-3.3925								. :
DINT		-1 5	2.1791	4 8721	-3 3025								
ĎINT		-1 5 -1 7	0 8458 4 7009	5 2697 1 8942	-3 3925 -3 3925						•		
OINT	171	-1 7	4.2684	2.7327	-3 3925								
DINT		-1 7	3 4157 2 3302	3 7443	-3 3925								
DINT	174	-1 4	1.0914	4 5007 4 9493	-3 3925 -3 3926								
<u>ŢŅŢ</u>		-1 9	4 5272	2 3725	-3.3925								
TNIO		-1 g	4 1718 3 4484	2 3725 3 3379	-3 3925	•							
DĪNT	178	-i š	2 4267	4 1406	-3 3925 -3 3925				:				
OINT OINT		<u>• 1 </u>	1 3159 4 3535 4 0375	4 R1E3	-3.3925								
TNIO		-1 11 -1 11	4 3535 4 0375	1 2559	-3 3718 -3 3718	D-33							
ŌĬŃŦ	182	-1 11	3 4431	2 9454 3 7997	-3 3718	<i>∪</i> −33							1
OINT OINT	183 184	-1 -11	2.4684 1.5078	3 7997 4 2728	-3.3718 -3.3718								

IJPOINT 1	85 -1	13	4 1603	0 9295	- 2	35.12					22-NOV-88 06
JPOINT 1	86 -1	13	4 1603 3 8775 3 4174	1 7712	3	3512 3512 3512 3512 3512 3096 3096					
IJPOINT 1	87 -1 88 -1	13 13	3 4174 2 4724	2 5482 3 4727	-3	3512					
T.IDOTNT 1	89 -1	13	1.6845	3 9160	-3	3612					
JESTNI 1	90 - 1		3 0365	0.6011	3.	3096		· · · · · · · · · · · · · · · · · · ·			·
IJPOINT 1	91 -1 92 -1	15 15	3 7360 3 3596	1 3810 2 1378	-3.	3096					
IJPOINT 1	93 - 1	15	2.5441 1.8408	3.0636	-3	3096 3096					
JUPOINT 1	861		1.8408	3.5311	3-	3096 2463				·	
IJPOINT 1	96 -1	17	3 6946 3 5668	0 2862 1 0048	-3	2463 2463	•				
IJPÕINT 1	97 - 1	17	3 2746	1 7346	- 3	24R2	*				
JPOINT 1	99 -1		3 2746 2 5865 1 9688	1 7346 2 6636 3 1394	<u>-3</u> .	2463 2463 1615		····			
IJPOINT 2	00 -1	19	3 4351	-0 0252	-3	1615					
IJPOINT 2	01 -1	19	3 3768	0 6307	-3	1815		•			
HUBBINT 3	8 2 -1	- - 19	3 1683 2 6091	2 2346	-:3 -	1615					
IUPOINT 2	04 -1	19	2 0791	2 7346	-3	1615					
IUPOINT 2	06 -1	21	3 1605	2 7346 -0 3034	-3	0497		•			
JUPOINT 2	89 -1	- 31 -	3 1646 3 0356	0.2572 8 9306	3-	0497 0497 0497			· · · · · · · · · · · · · · · · · · ·		
IJPOINT 2	08 -1	21	2.6120	1 8050	-3	0497					
	9 -1	21	2 1726	2 3153	-3	0497					
-IUPOINT 2	10 -1		2.8739 2.9290	-0.5726 -0.0893	-:3 -	8075 8075					
IJPOINT 2	12 - 1	23 23	2 8659	0.6116	-2	9075					
IUPOINT 2	13 - 1	23	2 5812	1.3872	-2	9075					
TUPOINT 2	 	*	2 2307 2 5806	-0 8204	3-	9076 9076 9076 7329					
IUPOINT 2	16 - 1	25	2.6773	-0 4060	-2	7329 7329					
	17 - 1 18 - 1	25	2.6781	0 4009 0 9870	-2	7329					
IJPOINT 2	19 -1	23 26 26 26 26 27	2 5216 2 2568 2 3067	1 4966	-2	7329					
IJPOINT 2	20 -1	27	2.3067	-1.0249	- 2	5389 5389 5389 5389 5389	•				
IJPOINT 2	21 -1 22 -1	27 27 27	2 4294 2 5234	-0 6850 0 0613	-2.	5389					
JAPOINI 2	23 - 1	27	2 4464	0 6215	-2	5389		************		·-··	
IJPOINT 2	24 -1 25 -1	27 29	2 2604 2 0199	1 1235	-2.	5389					
IMPOINT 2	26 - 1	29	2 1734	-1 2256 -0 9263	- 2	3233 3233 3233					
IJPOINT 2 IJPOINT 2 IJPOINT 2	26 -1 27 -1 28 -1		2 1734	-0 2448	-2	3233	***************************************				
IJPOINT 2	28 - 1 29 - 1	29 29	2 2327	0 2845 0 7727	7	3773				•	
JEOINT 2	30 - 1 31 - 1	31	1.7380	-1.4062	-2	3233 0833 0833					
IJPOINT 2	31 -1	31	1 7380	-1 4062 -1 1523 -0 5366 -0 0400	-2	0833					
IJPOINT 2	32 - 1 33 - 1	31 . 31	2 1703 2 2353	-0 5366 -0 0400	-2	0833 0833					
JPOINT 2	<u> 34 - 1</u>	31	2 1934 1 4229	0 4323 -1 5998	-2	0233					
IJPOINT 2	35 - 1	33	1 4229	-1 5998	-1	0933 8266					
IJPOINT 2	36 - 1 37 - 1	33 33	9875	-1 3463 -0 7960	- 1	8265 8265					
IJPOINT 2	38 - 1	33	2 1376	-0.3336	- 1	8265 8265					
TUPOINT 2	39 - 1	33	2.1376	0 1199	- 1	8 26 5					, , , , , , , , , , , , , , , , , , , ,

* IMPD2 CR		Directory	-	FONG SSME		22-NOV-88 06 48
JPOINT 24 JPOINT 24	11 1	35 36 36 36 36	1.0501 1.4071	-1 7838 -1.5182	-1 5599 -1 5599	
POINT 24		36	1.7920	-1 0362	- 1.5599	
POINT 24 POINT 24		36	1.9777	-0 6112 -0 1804	-1 5599 -1 5599	
PŘÍNÍ Ž		39	0.9309	-1.5813	-1.2660	
POINT 24 POINT 24		39 38	1 2474 1 5886	-1.3458 -0.9185	-1.2650 -1.2650	
POINT 24	18 1	39	1 7532	-0.5418	-1 2660	
POINT 2	8 -1	39	0 7370	-0 1599 -1 2519	- 1 7885.0	
POINT 2	51 -1	41	0.9875	- 1 . 0655	-1 2860	
POINT 2	3 -1	41	1.2576	-0 4290	-1.2660 -1.2660	
JPOINT 26 JPOINT 29	4 -1	41	1.4472	-0 1266	-1.2650	
POINT 2	55 -1 56 -1	43 43	0 6138	-1 0427 -0 8874	-1.4950 -1.4950	
POINT 2	7 -1	43	0 8225 1 0475 1 1560 1 2054	-0.6067	-1.4950	
POINT 2	58 - 1 59 - 1	43 43	1 2054	-0.3673 -0.1065	-1 4950 -1 4950	
JPOINT 20	30 - 1	1	4 3363	3.9639	-3 3926	
POINT 2	31 -1 52 -1		4 2327	3 6759 3 3679	-3 3925 -3 3925	
JPOINT 2	63 - 1	7	4.0508	3.0458	-3.3925	
POINT 2	36 - 1	11	3.9639 3.9139	2.7056 2.2829	-3 3925 -3 3718	
JPOINT 20	56 - 1	13	3.8775	1.7712	-3.3512	
POINT 20		3	3 1 634 3 1372	4 . 9506 4 . 6461	-3 3925 -3 3925	
POINT 2	-1		3 1243	4.3271	-3 3925	
POINT 2'		7	3.1208 3.1273	3 9934 3 6404	-3 3 925 -3 3 92 5	
JPOINT 2'	72 - 1	11	3.1436	3 2632	-3.3718	
POINT 2	73 -1	13	3.1250	2.5050	-3 3612 -3 3096	
JPOINT 2'	75 - 1	17	3.0571	2.0943	-3 2463	
POINT 2'	76 - 1 77 - 1	19 21	2 9876 2 897 0	1 6966 1 2993	-3 1615 -3 0497	
POINT 2	77 -1	21 23	2.7938	0.8842	-2 9075 -2 7329	· · · · · · · · · · · · · · · · · · ·
	79 -1 80 -1	25	2.6781 1.7734	0.4009 5.6010	-2.7329 -3.3 92 5	
POINT 2	R1 -1	3	1.8276	5.2998	-3.3925	
JPOINT 2	32 -1 33 -1	5	1.9017 1.9852	4 9869 4 6632	-3 3925 -3 3925	
JPOINT 2	84 -1	ģ	2.0800	4.3251	-7 7075	
POINT 2	85 -1 86 -1	11	2 4724	3 9340	-3 3718 -3 3612	
JPOINT 21	37 -1	'1	ő 2581	5.8694	3 3926	
	88 -1 80 -1	2	0 3931 0 5477	5 5923 5 3090	-3 3926 -3 3926 -3 3926	
JPOINT 2	90 -1		0 7100	5.0182	3 3928	D-34
	91 -1 92 -1	. 9	0.8842	4 7171	-3 3926	7-7-
JPOINT 2	93 - 1	11	1 2752	4 3982 4 9877	-3.3718 -3.3612	
JPOINT 2	94 -1	15	1 4476	3.7097	-3.3096	

IMPD2 CRY:1	Director	A SWW DISK	FONG SSME	. 1 MW-	001)	22-NOV-88 06 48
POINT 295 POINT 296 POINT 297	-1 17	1.5996	3 3427 2 9623 2 5854	-3	2463 1615	
295 20101 297	= 1 19	1 7394	- 1 2021	- 3	0497	
POINT 298	-1 23	1 9329	2 2025	.3	9076	
POINT 299	-1 23 -1 25	2 0008	1.8247	-5	9075 7329	
POINT 300	-1 27	2 0410	1 4852	-5	6389	
POINT 301	-1 27	2 8713	1 4852 1 1366 0 8020	-2	5389 3233	
PÕINT 302	-1 31	2.0868	0 8020	- 2	0833	
POINT 303	-1 33	2.0969	0.4323	- 1	8266	
POINT 304	-1 35 39	2 0680 1 8360	0 4323 0 0000 0 6866	-1.	2650 2650	
POINT 305		1.8350	0 0000	-1.	2650	
POINT 306	-1 41	1 4527	0 0000		4960	
POINT 307	-1 43	1 2100	0 0000	- 1	4960	
01NT 308 01NT 309	- } - 35	1 9273	-1.7451	-1	2650	
POINT 309	35	7530	-1 4852	- 1	2650	
POINT 310 POINT 311	35	1 9347	-1 01 36 -0 5979	- 1 - 1	2650	
POINT 312	, 30 1 3E	2 0172		-1	2650 2650	
POINT 312 POINT 313	35 35 36 36 36 36 37 37 37 37 37 37 37 37 37 37 37 37 37	2 0173 2 0250	-0 1765 8 0000		2880 ·····	
POINT 314	a 13	0.0000	1,8350		4950	
POINT 315	7 13	0 0000	1 4527	- 1	4960	
POINT 316	7 15	8-8888	1.4527	- 1.	2660	
POINT 317	5 15	0 0000	1.4527	-1	2650 2650	
PÕĪNT 318	5 21	0 0000	1.2100	-0	1980	
PÕINT 319	3 21	0.0000	0 8506	-0	1960	
POÍNT 320 POÍNT 321	3 23	8.8888	9 8505 0 5900	0	0000	
POINT 321	3 <u>23</u> 1 <u>23</u>	0 0000	0.5900	o	0000 0000	
POINT 322	1 15	0.0000	0.5900	- 1	2650 6550	
POINT 323] 9	0 0000	0 5900	-3	6550	
POINT 324 POINT 325		8.8888	0 5900 0 9015		4150	
POINT 325	3 3	0 0000	0 9015	.5	4 150 2250 2250	
POINT 326 POINT 327	2 3	0 0000	1 3600	- 2	2250	
POINT 328	ž 4	0 0000	1 3600	-3	6650	
POINT 329	9 9	8 8888	1 3600	-3	6550	
Paint 330	-1 39	0.9309	-1.5813	- 1	4960	
POINT 331	-1 39	1.2474	-1 3458	- 1	4960	
POINT 332 POINT 333	-1 39 -1 39	1.5886	-0.9185	-1	4950 4960	
POINT 333	-1 39	1.7532	-0 5418	- 1	4950	
POINT 334	-1 39	1 8280	-0.1599	- 1	4950	•
POINT 335	-1 39	1 8350	0.0000	- 1	4960	
POINT 336 POINT 455	5 7					
POINT 455	-3 1					
POINT 460 POINT 465	-3 3 -3 5		. *			
POINT 470	3 3					
POINT 470 POINT 475	-3 9					
POINT 480	-3 11					
POINT 485	-3 13					
	-3 15					
POINT 495	-3 17					
POINT 500	-3 19					
POINT 505	-3 21					
POINT 510	-3 23 -3 25				···	
POINT 515	- 3 25					

IMPD2 CRY;1	Directory SAM_DISK	[FONG.SSME.IMP	DUT	22-NOV-88 06 48	Page
DINT 520	3 27 3 29 3 31 3 33 3 35 3 35				
INI 525 -	3 29				
DINT 530 -: DINT 535 -:	3 31				
DINT 535 -: DINT 540 -:	3 33				
DIN: 540 -:	3 35				
DINT 608		0 E100 -0	100		
DINT 1002	1 1 5.3103 1 4.5512	2 5133 -2 3 7151 -2	1492 1492		
1101 1002	1 3 4354	4 7659 -2	2402		
11NT 1004	1 1 2 0839	5.4930 -2	1492 1492		
DINT 1003 DINT 1004 DINT 1006	1 1 0 5921	5.8451 -2	492 369 349		
DINT 1006	1 3 5 2156	2.2616 -2	369		
DINT 1007	1 3 4.5873	2 26 16 -2 3 3042 -2	1349		
NINT 1008	1 3 3.5658	4 4222 • 2	K 11		i
1009	1 3 2.3206	5 1552 -2	349 369 214		i.
DINT 1010	1 3 0 8770	5 6127 -2	369		
DINT 1011	1 5 5 1116	1 9940 -2	1214		
OINT 1012	1 5 4 5943	2 8983 -2	164		
DINT 1013	1 5 3.6586	4 0889 -2	1214	•	
DINT 1014	1 5 2.5297	4.8072 -2	164		
DINT 1015	1 5 1 1240 1 7 5 0017	5 3704 -2 1 7320 -2	214		
1401 1919	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1324 2	104 1164 214 022 930 023 930 023 930 023	· · · · · · · · · · · · · · · · · · ·	
DINT 1017 DINT 1018	7 4 5816	2 4834 -2 3 7463 -2	/990 1000		
INT 1019	7 3.7392	3 /403 -2	1023		
INT 1020	7 2.7261	4 4415 -2 5 1140 -2	7830		
INT 1021	4 6 4 6 6 6 6	1 4632 -2	464		
INT 1022	9 4 8855 9 4 5064	1 4832 -2 2 1484 -2	7627		
1NT 1023	9 3 7947	3 4072 -2	7787		
INT 1024	9 2 6276	4 1132 -2	7627 7187 7627 7787		
DINT 1024	9 2 8276 1 9 1 5827	4.8481 -2	河南		
DINT 1026	1 11 4 7638	1 1796 - 2	7484		
DINT 1027 DINT 1028	1 11 4.7638 1 11 4.4072	1 8330 -2 3 0828 -2	7217		
JINT 1028	1 11 3.8185	3 0828 -2	7494	•	
DINT 1029	1 11 3.8185 1 11 2.9003	3.7910 -2	1217		_
DINT 1030	1 11 1 7655	4.5791 -2	7484		
11NT 1031	1 11 1 7655 1 13 4 6340	0.8811 -2	7217 7484 7090		1
01NT 1032 01NT 1033	1 13 4.2742	1 5833 -2 2 7601 -2	9672 7090		
JINT 1033	1 13 3.8324	2.7501 -2	7090		- 1
DINT 1034 DINT 1035	1 13 2 9099	3 5082 -2 4 2979 -2	9672 7090		1
JINT 1036	1 13 1 9438 1 15 4 5 14 1	4 2979 -2	70 90		
01NT 1036 01NT 1037	1 15 4 5141	0.6312 -2	1672 1371		
JINI 1037	1 15 4.2277	1 4140 -2	3371		
OINT 1038	1 15 3.8338 1 15 2.9643	2.4652 -2	5672	•	1
DINT 1039	1 15 2.9543	3 3384 -2 4 0516 -2	5371 5672		i
OINT 1040	1 15 2 0879	4.0515 -2	597 5997		
DINT 1041 DINT 1042	1 17 4 3333 1 17 4 1686	0 2993 -2 1 2204 -2	997		
0INT 1042	1 17 4 1686	2 0639 -2	5997 5008		1
OINT 1044	1 17 3 8220 1 17 3 0000 1 17 2 2770 1 19 4 1619	1 2204 -2 2 0639 -2 3 1412 -2	5997 5997 5997 5997 5901 5901 5901 5901		i
01NT 1045	1 17 3 0000	3 1412 -2 3 6990 -2			
0INT 1046	1 19 4 1619	0 0034 -2	301 D-35		1
DINT 1047	1 19 4 0646	0.8047	530; <i>U-33</i>		!
DINT 1048	1 19 4 0846 1 19 3 7954 1 19 3 0727	0 8947 -2 1 7077 -2 2 8071 -2	530 ; 530 1		
OINT 1049	1 19 3 6727		Table 1		

T.IDOTNT 10E0	Directory SAM_DISK:	• •	22-NOV-88 08
IUPOINT 1050 IUPOINT 1051 IUPOINT 1052	1 19 2 4346 1 21 3 9716 1 21 3 9606	3 3756 -2 5301 -0 3326 -2 4480 0 5257 -2 4480	
IJPOINT 1052	1 21 3 9506 1 21 3 755 7	0 5257 -2 4480 1 3336 -2 4480	
IUPOINT 1053 IUPOINT 1054	1 21 3 1585	2 4306 -2 4480	
IJPOINT 1065 IJPOINT 1066 IJPOINT 1067 IJPOINT 1068		3 0350 -2 4480 -0 6417 -2 3571 0 1782 -2 3571	
IJPOINT 1056	23 3.7591	-0.6417 -2.3671	
TUPUINI 1057	1 23 3 8093 1 23 3 6878	0 1782 -2 3571 0 9706 -2 3571	
IJPOINT 1059	23 3 2099	2 0690 -2 3671	
TUPOTNT 1059	1 23 3 2099 1 23 2 7274	0 9706 -2 3571 2 0590 -2 3571 2 6864 -2 3571 -1 0639 -2 2085	
IUPOINT 1061	1 25 3 4454	-1.0639 -2.2085	
TUPOINT 1062	25 3 5912		
TUPOINT 1063	25 3 5443 25 3 2559	0 6478 -2 2085 1 5431 -2 2085 2 1390 -2 2085	
IJPOINT 1065	1 25 2.8993	2 1390 -2 2085 -1 2796 -2 1285	
IJPOINT 1066	1 27 3 2562	-1 2796 -2 1285	
IJPOINT 1067	1 21 2 5832 1 23 3 7591 1 23 3 8093 1 23 3 8093 1 23 3 2098 1 23 2 2098 1 25 3 4454 1 25 3 5912 1 25 3 2559 1 25 2 8993 1 27 3 2562 1 27 3 4567 1 27 3 4800	-1 2796 -2 1285 -0 5525 -2 1285 0 3605 -2 1285	
IUPOINT 1069 IUPOINT 1070	1 27 3 2681	1 2489 -2 1285	
IUPOINT 1070	1 27 2 0661	1.8555 -2.1285	
TUPOTNT 1871	1 29 2 9449 1 29 3 2213 1 29 3 3563 1 29 3 2606	-1 6098 -1 9961 -0 9417 -1 9961	
IUPOINT 1072 IUPOINT 1073	1 29 3.2213 1 29 3.3653	-0.0759 -1.9961	•
IJPOINT 1074	1 29 3 3553 1 29 3 2606	0 7951 -1 9961	
TUPOINT 1075	1 29 3 0470 1 31 2 5965	0.7951 -1.9961 1.4069 -1.9961 -1.9372 -1.8420 -1.3364 -1.8420	
IJPOINT 1076 IJPOINT 1077		-1.9372 -1.8420	
IJPOINT 1078	1 31 2 9502 1 31 3 1956	-1 3364 -1 8420 -0 5273 -1 8420	
TUPOTNT 1079	1 31 3 2231 1 31 3 1679	0 3177 -1 8420 8 3113 -1 8420	
IJPOINT 1080	1 31 3 1079		
IJPOINT 1081 IJPOINT 1082	1 33 2 2078 1 33 2 6817	-2 2748 -1 6696 -1 6903 -1 6596	
LIPOINT 1083	1 33 3.0254	-0.9466 -1.6596	
IJPOINT 1084	33 3 1667	-0 1443 -1 8596	
IJPOINT 1085	1 33 3 1218 1 35 2 2078	0 5504 -1 6596	•
IJPOINT 1086	1 35 2 2078	-2 2748 -1 4650 -1 6903 -1 4650 -0 9466 -1 4650	
TUPOTNT 1087	1 35 2 6817 1 35 3 0254	-1 6903 -1 4650 -0 9466 -1 4650	
IJPOINT 1089	1 36 3 1667	-0 1443 -1 4850	
IUPOINT 1090	1 35 3 1218	0 5504 - 1 4650	
IJPOINT 1091 IJPOINT 1092	1 33 2 2078 1 33 2 6817 1 33 3 1687 1 33 3 1687 1 33 3 1218 1 35 2 6817 1 35 2 6817 1 35 3 1687 1 35 3 1687 1 35 3 1218 1 35 3 1218 1 35 3 1218 1 39 3 0462	-1 8270 -1 3650 -1 2025 -1 3650 -0 3731 -1 3650	
IJP0INT 1093	39 3 2537	-0.3731 -1.3650	
IUPOINT 1094	1 39 3 2394	0 4817 -1 3650	
IJPOINT 1095	1 39 3.0850	1 0992 -1 3660 -2 1028 -1 4006	
IJPOINT 1096 IJPOINT 1097	0 0 2 4 10 1 0 0 2 8045	1 0992 -1 3650 -2 1028 -1 4006 -1 5379 -1 4006	
IJPOINT 1098	0 0 3 1070	-0.7596 -1.4006	
IJPOINT 1099	8 8 3 1246	0.0704 -1.4006	
TUPOINT 1100	0 3 1240	0 6866 -1 4006	
IJPOINT 1101 IJPOINT 1102	1 1 4.4713 1 3 4.4476	3 8110 -2 8492 3 4899 -2 8349	•
IJPOINT 1103	5 4 4096	3 1724 -2 8164	
TUPOINT 1103	1 5 4.4096 1 7 4.3710	3 1724 -2 8164 2 8376 -2 7930	
		•	
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1 9 4 3296 2 4837 -2 7627 1 11 4 2864 2 1001 -2 7217 1 13 4 2742 1 5833 -2 6672	
1 13 4 2742 1 5833 -2 6672	
1 15 4 2742 1.5833 -2.6672 1 1 3 3336 4 8377 -2.8492	
1 1 3 3335 4 8377 -2 8482 1 3 3 3909 4 5577 -2 8383 1 5 3 4288 4 2826 -2 8214	
1 7 3 4856 4 0008 -2 8023	•
1 9 3 4993 3 7099 -2 7787	
1 13 3.5727 3.0HO1 -2.70HO	
1 15 3 KGCBR 2 ROSSR -2 RBT2	
<u> 1 19 3.6026 2.0839 -2.5301</u>	
1 21 3 6013 1 7072 -2 4480 1 23 3 5768 1 3226 -2 3571	
1 25 3. 5443 0.6478 -2.2085	
1 3 2 10MM 5 24R2 -2 234G	
1 5 2.2326 4.9621 -2.8164	
1 7 2 3886 4 6430 -2 7930 1 9 2 5077 4 3157 -2 7827	
1 11 2.6621 3.9619 -2.7217	
1 15 2.9099 3.5083 -2.667 2	the state of the s
1 1 0.4817 5.8552 -2.8492 1 3 0.6578 5.6426 -2.8369	
1 5 0.8290 5.4238 -2.8214	
1 7 1 0009 5 1976 -2 8023 1 9 1 1766 4 9826 -2 7787	
1 11 1.380/3 4.7153 -2.7484	
1 13 1 5540 4 4537 -2 7090 1 15 1 7104 4 2249 -2 6672	
1 17 1 9074 3 9024 -2 5997 1 19 2 0780 3 6060 -2 5301	
1 17 1 9074 3 8024 -2 5997 1 19 2 0785 3 6060 -2 5301 21 2 2738 3 2732 -2 4480	
1 23 2 4363 2 9346 -2 3671 1 26 2 6364 2 4668 -2 2086	
1 21 2 2738 3 2732 -2 4480 1 23 2 4353 2 9346 -2 3571 1 25 2 6354 2 4568 -2 7085 1 27 2 7363 2 1802 -2 1285 1 29 2 8666 1 7455 -1 9981	
1 33 3 NB43 N 8448 _4 MEDE	
1 35 3 0843 0 8116 -1 4850 1 39 2 9413 1 4404 -1 3650 0 0 3 0292 1 0358 -1 4006	
0 0 3 0262 1 0368 -1 4006	•
5 1 5 3 104 2 5 1340 +2 7 1040	
5 1 3 4364 4 7669 -2 7190	
5 1 2 0839 5 4930 -2 7190 5 1 0 5921 5 8451 -2 7190	
5 3 5 1888 2 1845 -2 7028 D-36	
5 3 4 5895 3 2606 -2 7028 5 3 3 5837 4 3338 -2 7028 5 3 2 3444 5 1184 -2 7028	
5 3 2 3444 5 1184 -2 7028 5 3 0 9455 5 5498 -2 7028	<u></u>

MPD2 CRY,1	Directory SAM_DISK	-	- •	22-NOV-88 06 4	8 Pag
INT 1160 INT 1161	5 5 5 0604 5 5 4 5969 5 5 3 6995	1 8704 2 8256 3 9268	-2 6822 -2 6822 -2 6822		1
NT 1161	5 5 3 6995 5 5 2 5673	3 9268	-2 6822		
ÎNT 1163 ÎNT 1164	5 5 2 5673 5 1 2406	4 7450 5 2504	-2 6822 -2 6822		
INT 1165 INT 1166	5 7 4 9284 5 7 4 5696	5 2504 1 5823 2 4187	-2 6822 -2 6570 -2 6570		
INT 1166 INT 1167	5 7 4.5695 5 7 3.7677	2 4187 3 5404	-2 6570 -2 6570		
INT 1168	5 7 2 7479	4 3794	-2 6E70		
INT 1168	5 7 1 5 160	4 9429	-2.6570 -2.6248		1
INT 1170	5 9 4 7946 5 9 4 4909	1 2521 2 0946	-2 6248 -2 6248		
INT 1171 INT 1172 INT 1173 INT 1174	5 9 3.8155	3 1619	-2 6248		
INI 1173	5 9 2.8419 5 9 1.7202	4 6472	-2 6248 -2 6248		
INT 1175	5 9 1 7202 5 11 4 6582	4 6472 0 9351	-2 6248 -2 5834		
ÎNT 1176	5 11 4 3962	1 8021	-2 5834		
ÎNT 1177	5 11 3 8305 5 11 2 9061	2 8 109 3 7587	-2 5834 -2 5834		
INT 1179	5 11 1 9123	3 7587 4 3493	-2 5834 -2 5834		
ÎNT 1180	5 13 4 5141	0 6312	-2 E217		
NT 1181	5 13 4 2742 5 13 3 8338	1 5833 2 4662	-2 5317 -2 5317 -2 5317		
INT 1183	5 13 3 8338 5 13 2 9099	2 4662 3 5082	-2 5317 -2 5317		
INT 1184	5 13 2 0879	4 051R	-2 5317		
ÎNT 1185 ÎNT 1186	5 15 4 3869 5 15 4 2009 5 15 3 8273 5 15 2 9762 5 15 2 2236 5 17 4 2443	0 3934 1 3237	-2 4830 -2 4830		
INT 1187	5 15 4 2009 5 15 3 8273	2 1798	-2 4830 -2 4830		
INT 1188	5 15 2 9762	3 2468	-2 4830		
NT 1188	5 15 2 2236 5 17 4 2443	3 8020 0 1465	-2 4830 -2 4248 -2 4248		
INT 1191	5 17 4 1144	1 0621	-2 4248 -2 4248		
ÎNT 1192	5 17 3.8094	1 2770	-2 424 8	•	
ÎNT 1193	5 17 3 0371 5 17 2 3614	2 9683 3 5297	-2 4248 -2 4248 -2 3525 -2 3525	· · · · · · · · · · · · · · · · · · ·	
INT 1195	5 19 4 0845	-0 1361	-2 4248 -2 3525		
INT 1195 INT 1196	5 19 4 0189	0 7418	- 2 3525		
ÎNT 1197 ÎNT 1198	5 19 3 7812 5 19 3 1096	1 5507 2 6519	-2 3525 -2 3525 -2 3525 -2 2704		
INT 1199	5 19 2.4985	3 2341	-2 3525		
INT 1200	5 21 3 8971	-0 4481	-2 2704		
ÎNT 1201 ÎNT 1202	5 21 3 9027 5 21 3 7346	1 3007	-2 2704 -2 2704	· · · · · · · · · · · · · · · · · · ·	
ÎNT 1203 ÎNT 1204	5 21 3 1814	2 2951 2 9063 -0 7330 0 0744	-2 2704		
INT 1204	5 21 2 6348	2 9063 0 7330	-2 2704 -2 1855		
ÎNT 1206 ÎNT 1206	5 23 3 6906 5 23 3 7620	8 6744	-2 1655 -3 1655		
INT 1207	5 23 3.6616	0 8666 1 9454	-2 1665		
INT 1208	5 23 3 2208	1 9454	-2 1656 -2 1655 -2 1655 -2 1655		
ÎNT 1209 ÎNT 1210	5 23 2 7724 5 25 3 4454 5 25 3 5912 5 25 3 5443 5 25 3 2559 5 26 2 8993	-7 5548 -1 5548	-2 0452	and the second of the second o	
INT 1211	5 25 3 5912	-0 2916	-2 0452 -2 0452		
INT 1212	5 25 3 5443	0 6478 1 5430	-2 0452		
ÎNÎ 1213 ÎNÎ 1213	5 25 3 2559 5 25 2 8993	2 1390	-2 0452 -2 0452		

IMPD2 CRY, 1	Directory SAM_DISK	FONG SSME	IMP OUT]		:	22-NOV-88 06 48 Pe
OINT 1215	5 1 4.4865 5 3 4.4436	3 7941 3 4568	-2 7190 -2 7028			
OINT 1217 OINT 1218	5 5 4 4032	3.1174	-2 7028 -2 6822			
OINT 1219	5 7 4 3636 5 9 4 3219	2 7729 2 4243	-2.6570 -2.6248			
OINT 1220	5 11 4 2826 5 13 4 2742	2 0575 1 5833	-2 5834 -2 5317			
OÎNT 1222	5 1 3.3 569	4 8215	-2.7190			
POINT 1223 POINT 1224	5 3 3 4014 5 5 3 4472	4 4862	-2.7028			1
POINT 1225 POINT 1226	5 7 3 4870	4 1500 3 8172	-2 6822 -2 6570 -2 6248 -2 5834			
POINT 1227	5 9. 3.52 62 5 11 3.5 666	3 48 16 3 1389	-2 5248 -2 5834			•
POINT 1228 POINT 1229	5 13 3 5936 5 15 3 6025	2 8038 2 5341	-2 5317 -2 4830			
POINT 1230	5 17 3 6027	2 2485	·2 4248 ·2 3525			
POINT 1231 POINT 1232	5 19 3 6042 5 21 3 6022	1.9265 1.5739	-2 4248 -2 3525 -2 2704			
OINT 1233	5 21 3 5932 5 23 3 5689 5 25 3 5443	1.1921	-2 1855			
POINT 1234 POINT 1235	5 25 3. 5443 5 1 1.9321	0.6478 5.5482	-2 0452 -2 7190			· · · · · · · · · · · · · · · · · · ·
POINT 1236	5 3 3 1100	5.2155	-2 7028			
POINT 1237 POINT 1238	5 5 2 2546 5 7 2 3926 5 9 2 5307	4 9013 4 5832	-2 6822 -2 6670	•		
POINT 1239 POINT 1240	5 9 2.5307 5 11 2.6801	4 2604 3 9231	-2.6248 -2.5834		· ·	
OINT 1241	5 13 2. 9099	3.5082	-2 5317			
POINT 1242 POINT 1243	5 1 0.5120 5 3 0.7025	5 8526 5 58 5 8	-2 5317 -2 7190 -2 7028			
20INT 1244	5 <u>5 0 9103</u>	5.3178	-7 RE77			
POINT 1245 POINT 1246	5 7 1 1112 5 9 1 3130	5 0493 4 7783	-2 6570 -2 6248			,
POINT 1247	5 11 1.5193	4.6017	-2 6248 -2 5834 -2 5317			
OINT 1249	5 13 1 7104 5 15 1 8528	3 9969	-2 4830			
POINT 1250 POINT 1251	5 17 2.0137	3.7166	-2 4248			
OINT 1252	5 19 2.1601 5 21 2.3366	3 4692 3 1510	2 .2704			i
POINT 1253 POINT 1254	5 23 2 4801 5 25 2 6355	2 8297 2 4568	-2 4248 -2 3625 -2 2704 -2 1655 -2 0452			
POINT 1256	7 25 3:5436	-0 9258	-2 0180 -2 0160			
POINT 1256 POINT 1257	7 25 3 6596 2 25 3 5726	0 1454 0 1067	-2 0160 -2 0160			<u></u>
POINT 1258	7 25 3 2420	1.7039	-2.0160			
POINT 1259 POINT 1260	7 25 2 8562 7 25 2 5736	2 2926	-2 0160 -2 0160			
OINT 1261	9 26 3 6729	-0 7564	-2 0160			
POINT 1262 POINT 1263	9 25 3.7497 9 25 3.6096	0 0478 1 0166	-2 0160 -2 0160			
OINT 1264	9 25 3 2234	1.9162	-2 0160 -2 0160	-		. <u></u>
POINT 1266	9 25 2 7836 9 25 2 4915	2 5128	-2.0160 -2.0160	D-37	· · · · · · · · · · · · · · · · · · ·	
POINT 1267 POINT 1268	9 27 3 6729 9 27 3 7497	2 8027 -0 7584 0 0478	-1 9710 -1 9710		÷.	

IMPO2.CRY;1	Directory SAM_DISK [FONG.SSME.IMP OUT]	22-NOV-88 06 48
JP0 INT 1270	9 27 3 2234 1 9162 -1 9710	
POINT 1271	9 27 2 7836 2 5128 -1 9710 9 27 2 4915 2 8027 -1 9710	
POINT 1273	7 27 3.5436 -0.9258 -1.9710	
POINT 1274	7 27 3 6596 -0 1454 -1 9710	
POINT 1275	7 27 3.5725 9.8057 -1.9710 7 27 3.2420 1.7639 -1.9710	
PÕĪNT 1277	7 27 2 8582 2 2926 -1 9710	
POINT 1278 POINT 1279	7 27 2 5736 2 6069 -1 9710 5 29 3 1069 -1 4376 -1 8260	
POINT 1280	5 29 3 3427 -0 7388 -1 8260	The second secon
POINT 1281	5 29 3 4200 0 1515 -1 8260 5 29 3 2643 1 0315 -1 8260	
POINT 1282 POINT 1283	5 29 3.2843 1.0315 -1.8260 5 29 3.0108 1.6294 -1.8280	•
POINT 1284	5 29 2 7984 1 9719 -1 8260	
IPOINT 1285 IPOINT 1286	7 29 3 3282 -1 1988 -1 8260 7 29 3 5077 -0 4582 -1 8260	•
IPOTNT 1287	7 29 3 5077 -0 4582 -1 8260 7 29 3 5068 0 4653 -1 8260 7 29 3 2668 1 3571 -1 8260	
POINT 1288 POINT 1289	7 29 3.2668 1.3571 -1.8260 7 29 2.9422 1.9640 -1.8260	
POINT 1290	7 29 2.7023 2.2829 -1.8260	
POINT 1291 POINT 1292	9 29 3 4828 -1 0064 -1 8260 9 29 3 6173 -0 2382 -1 8260	·
POINT 1292 POINT 1293	9 29 3 5552 0 7081 -1 8260	
POINT 1294	9 29 3 2508 1 6041 -1 8260	
POINT 1295	9 29 2 6121 2 5136 -1 8260	
PÕĪNT 1297	9 31 3 4828 -1 0064 -1 7810	
IPÕÍNT 1298 IPÕÍNT 1299	9 31 3 6173 -0 2362 -1 7810 9 31 3 5552 0 7081 -1 7810 9 31 3 2508 1 804 -1 7810	
	9 31 3.5552 0.7081 -1.7810 9 31 3.2508 1.8041 -1.7810	
PÕINT 1301	9 31 2.8839 2.1962 -1.7810	
POINT 1302 POINT 1303	9 31 2.6121 2.5135 -1.7810 7 31 3.3282 -1.1988 -1.7810	
POINT 1304	7 31 3 5077 -0 4582 -1 7810	
IPOINT 1305 IPOINT 1306	7 31 3.5068 0.4653 -1.7810 7 31 3.2668 1.3671 -1.7810	
POINT 1307	7 31 2 9422 1 9640 -1 7810 7 31 2 7023 2 2829 -1 7810	
POINT 1308 POINT 1309	7 31 2 7023 2 2829 -1 7810 5 33 2 7844 -1 7685 -1 6360	
	5 33 3 0981 -1 1292 -1 6360	
POINT 1311	5 33 3.2848 -0.2888 -1.6360	
POINT 1312 POINT 1313	5 33 3 2477 0 5712 -1 6360 5 33 3 0734 1 1949 -1 6360	
POINT 1314	5 33 2 9220 1 5281 -1 6360	
POINT 1315 POINT 1316	7 33 3 0830 -1 4630 -1 6360 7 33 3 3248 -0 7688 -1 6360	
POINT 1317	7 33 3 4105 0 1180 -1 6360	
IPÕINT 1318 IPÕINT 1318	7 33 3 2637 0 9966 -1 6360	
POINT 1318 POINT 1320	7 33 2 8085 1 9385 -1 5360	· · · · · · · · · · · · · · · · · · ·
JPÖINT 1321	9 33 3 2588 -1 2768 -1 6360	
JPOINT 1322 JPOINT 1323	9 33 3 4566 -0 5492 -1 6360 9 33 3 4810 0 3641 -1 6360	
UPOINT 1323 UPOINT 1324	9 33 3 4810 0 3641 -1 6360 9 33 3 2681 1 2527 -1 6360	

IMPD2 CRY;1	Directory	SAM_DISK	[FONG SSME	IMP.OUT]			22-NOV-88 06 48
POINT 1325 9	33	2 9661 2 7361	1 8555 2 1838	-1 6360 -1 6360			• .
POINT 1327	35	3 2588	-1 2768	-1.5910			
POINT 1328 9	35	3 4566 3 4810	-0 5492 0 3641	-1.5910 -1.5910			•
POINT 1330 S	36	3.2681	1.2527	-1 5910 -1 5910			
POINT 1331 9 POINT 1332 9	35	2 9861 2 7361	1 8555 2 1838	-1 5910 -1 5910			
PÕINT 1333 7	36	3.0830	-1 4630	-1 5910			
POINT 1334 7	35 35 35 36 36 36 36 36 36 36 36 36 36 36 36 36	3 4105	-0.7688 0.1180	-1 5910 -1 5910			
PÓINT 1336 7	36	3.2 63 7	0 9966	-1 5910 -1 5910		•	
POINT 1337 POINT 1338	7 36 7 36	3.0171 2.8085	1 5945	-1 5910			
POINT 1339	36	2 7844	-1 7665	-1 5450			
POINT 1340	35	3 0981 3 2848	-1 1292 -0 2888	-1 5450 -1 5450			
POINT 1342	36	3 2477	0.5712	-1 5450			
POINT 1343 E	35	3.0734 2.9220	1 1949 1 5281	-1 5450 -1 5450			
PÕINT 1345 - 9	37	2.7844	- 1 7865	-1 4500		•	
POINT 1346 POINT 1347	37	3.2848	-1 1292 -0 2888	-1 4500 -1 4500			
PÕINT 1348 - !	. 27	3 2477	0 5712	-1.4500			
POINT 1349 POINT 1350	37 37 37	3 0734	1 1949 1 5281	-1 4500 -1 4500		The second secon	
POINT 1361	37	2 9936	- 1 5585	-1 4500			
POINT 1362 POINT 1363	7 37	3 2579 3 3760	-0 8813 -0 0080	-1 4500 -1 4500			
POINT 1354	7 37	3 2621	0.8868	-1.4500			
JPOINT 1355 JPOINT 1356	7 3 7 7 3 7	3.0377 2.8485	1 4707	-1 4500 -1 4500			
JPÖINT 1367	7 39	2 9936	-1.5586	-1 4060			
POINT 1358	7 39	3 2579 3 3750	-0 8813 -0 0080	-1 4050 -1 4050			
JPO INT 1360 '	7 39	3 2621 3 0377	0 8658 1 4707	-1.4050		*	
PÖÍNT 1361 PÖÍNT 1362	7 39 7 39	3.0377 2.8465	1 4707	-1 4060 -1 4060			
POINT 1401	3 1	7 ASDD	7. 6.1-3-3	- 1 . 60-00			<u>, , , , , , , , , , , , , , , , , , , </u>
POINT 1406	3 3						
POINT 1411 POINT 1416	3 7					The second secon	
POINT 1421	3 9						
JPÖÍNT 1426 JPÖÍNT 1431	3 11 3 13						
POINT 1436	3 15				-,		
POINT 1441 POINT 1446	3 17 3 19					•	*
JPOINT 1451 :	3 21					•	
POINT 1456	3 25 3 25 3 27				D 30		
POINT 1466	š 27				D-38		
JPÖINT 1471 JPÖINT 1476	3 29 3 31						
	3 33						

	ry SAM_DISK [FONG SSME IMP OUT]	22-N0V-88 06 48 Page 1
IUPOINT 1486 3 36 IUPOINT 1491 3 39 DEFSYS 1 1 0 0 0 0 0 0 1 0 0 0	0010100	
#MECH 1		
MSYS 1 SLINES 179185 330 245 308 240Y IJGRID 1		
SLINES 219285 331 246 309 241T	1568-5 2:87 241:32 186	
TUNAME 240 308 LOW HUB TUNAME 155 240 LOW HUB TUSOLID 0 0 1		
TUSOL TO 455 160 1 SO 0 PRES A TUSOL TO 460 166 1 SO 0 PRES B TUSOL TO 465 170 1 SO 0 PRES C	108	
USO 10 455 160 1 50 0 PRES A USO 10 465 170 1 50 0 PRES B USO 10 465 170 1 50 0 PRES D USO 10 475 10 1 50 0 PRES D USO 10 475 180 1 50 0 PRES D USO 10 475 180 1 50 0 PRES D USO 10 480 185 50 0 PRES D USO 10 480 185 50 0 PRES D USO 10 480 185 50 0 PRES D USO 10 480 185 50 0 PRES D USO 10 480 185 50 0 PRES D USO 10 480 185 50 0 PRES D USO 10 480 185 50 0 PRES D USO 10 480 185 50 0 PRES D USO 10 480 185 50 0 PRES D USO 10 480 185 50 0 PRES D USO 10 480 185 50 0 PRES D USO 10 480 185 50 0 PRES D USO 10 480 185 50 0 PRES D USO 10 480 185 50 0 PRES D USO 10 480 185 50 0 PRES D USO	HUB HUB	
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1050L10 506 210 1 50 0 PRES K	HUB HUB HUB	
USOL 10 515 220 1 SO O PRES N USOL 10 520 226 1 SO O PRES N USOL 10 526 230 1 SO O PRES O USOL 10 536 240 1 SO O PRES P USOL 10 536 240 1 SO O PRES P USOL 10 536 240 1 SO O PRES R		
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KNAME O O 1 1 SIDE ONE BOT MESH 3 #MESH 2		
MEVE 1		
SLINES 273285 18671568-5 2 LUGRID 1 SLINES 1067112 26672608-1 106 RULE 3 1 LUSOLID 0 0 1	100	
IJSOLID 0 0 1 IJSOLID 1 485 1 SO 0 PRES S MESH 3	HUS	
MERGE MESH 1		
MSYS 1 SLINES 106T112 37T92B5 331 246	3 309 241T1918-5 266T2608-1 306:87 241	
IJGRID 1 SLINES 319385 332 247 310 2421	1578-5 3 88 242 217 63	
SITNES 3T93B5 332 247 310 242T RULE 5 1 UNAME 240 308 LOW HUB 1 UNAME 155 240 LOW HUB 1 USOLID 455 160 1 SQ 0 PRES A		
TUSOLID 0 0 1 TUSOLID 455 160 1 SQ 0 PRES A	HUB	
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	pry SAM_DISK (FONG SSME IMP OUT)	22-NOV-88 06 48 Page 1
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IJSOL ID 460 185 1 S0 0 PRES 8 IJSOL ID 466 170 1 S0 0 PRES C IJSOL ID 470 176 1 S0 0 PRES C IJSOL ID 470 176 1 S0 0 PRES C IJSOL ID 470 180 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 185 1 S0 0 PRES C IJSOL ID 480 1 S0 0 PRES C IJSOL ID 4	I HUB HUB HUB HUB	22-NOV-88 06 48 Page 1
IJSOLID 460 185 1 SO 0 PRES 8 IJSOLID 466 170 1 SO 0 PRES CI USOLID 470 176 1 SO 0 PRES CI USOLID 470 176 1 SO 0 PRES CI USOLID 470 180 1 SO 0 PRES CI USOLID 480 185 1 SO 0 PRES CI USOLID 480 185 1 SO 0 PRES CI USOLID 480 185 1 SO 0 PRES CI USOLID 480 186 1 SO 0 PRES CI USOLID 480 180 1 SO 0 PRES CI USOLID 480 180 1 SO 0 PRES CI USOLID 480 180 1 SO 0 PRES CI USOLID 480 180 1 SO 0 PRES CI USOLID 480 180 180 1 SO 0 PRES CI USOLID 480 180 180 1 SO 0 PRES CI USOLID 480 180 180 180 180 180 180 180 180 180 1	MUB HUB HUB HUB HUB HUB HUB HUB	22-NOV-88 06 48 Page 1
IJSOL ID 460 185 1 S0 0 PRES 8 ILISOL ID 466 170 1 S0 0 PRES C ILISOL ID 470 175 1 S0 0 PRES C ILISOL ID 470 175 1 S0 0 PRES C ILISOL ID 475 180 1 S0 0 PRES C ILISOL ID 475 180 1 S0 0 PRES F ILISOL ID 485 185 1 S0 0 PRES F ILISOL ID 485 180 1 S0 0 PRES H ILISOL ID 495 200 1 S0 0 PRES H ILISOL ID 505 200 1 S0 0 PRES J ILISOL ID 506 210 1 S0 0 PRES J ILISOL ID 506 210 1 S0 0 PRES J ILISOL ID 506 210 1 S0 0 PRES J ILISOL ID 506 210 1 S0 0 PRES L ILISOL ID 506 210 1 S0 0 PRES L ILISOL ID 506 210 1 S0 0 PRES L ILISOL ID 506 210 1 S0 0 PRES L ILISOL ID 506 210 1 S0 0 PRES L ILISOL ID 506 210 1 S0 0 PRES L ILISOL ID 506 210 1 S0 0 PRES L ILISOL ID 516 215 1 S0 0 PRES L ILISOL ID 516 215 1 S0 0 PRES L	MUB MUB MUB MUB MUB MUB MUB MUB MUB	22-NOV-88 06 48 Page 1
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T S.N4 = %IBC1(&IRN4 &I) NCON 3 SN1 8N2 SN4 1 1 1 -1 SCOSA BSINA 0 1 0E9 NCON 3 SN3 8N2 SN4 1 1 1 -1 SINN SCOSA 0 1 0E9 NCON 3 SN3 8N2 SN4 2 2 2 -1 SINN SCOSA 0 1 0E9 NCON 3 SN3 8N2 SN4 2 2 2 -1 SINN SCOSA 0 1 0E9 NCON 3 SN3 SN2 SN4 2 2 2 -1 SINN SCOSA 0 1 0E9 NCON 3 SN1 SN2 SN4 3 3 3 -1 SINN SCOSA 0 1 0E9 NCON 3 SN3 SN2 SN4 3 3 3 -1 SINN SCOSA 0 1 0E9 NCON 3 SN3 SN2 SN4 3 3 3 -1 SINN SCOSA 0 1 0E9 NCON 3 SN3 SN2 SN4 3 3 3 -1 SINN SCOSA 0 1 0E9 NCON 3 SN3 SN2 SN4 3 3 3 -1 SINN SCOSA 0 1 0E9 NCON 3 SN3 SN2 SN4 3 3 3 -1 SINN SCOSA 0 1 0E9 NCON 3 SN3 SN2 SN4 3 3 3 -1 SINN SCOSA 0 1 0E9 NCON 3 SN3 SN2 SN4 3 3 3 -1 SINN SCOSA 0 1 0E9 NCON 3 SN3 SN2 SN4 3 3 3 -1 SINN SCOSA 0 1 0E9 NCON 3 SN3 SN2 SN4 3 3 3 -1 SINN SCOSA 0 1 0E9 NCON 3 SN3 SN2 SN4 3 3 3 -1 SINN SCOSA 0 1 0E9		22-NOV-88 06 48 Page
T S.N4 = %IBC1(&IRN4 &I) NCON 3 S.N1 &N2 &N4 1 1 1 -1 &COSA &SINA 0 1 DEG NCON 3 S.N3 &N2 &N4 1 1 1 -1 &SINN &COSA 0 1 DEG NCON 3 S.N3 &N2 &N4 2 2 2 -1 &COSA &SINA 0 1 DEG NCON 3 S.N3 &N2 &N4 2 2 2 -1 &SINN &COSA 0 1 DEG NCON 3 S.N1 &N2 &N4 2 3 3 3 -1 &COSA &SINA 0 1 DEG NCON 3 S.N1 &N2 &N4 3 3 3 -1 &COSA &SINA 0 1 DEG NCON 3 S.N1 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 DEG NCON 3 S.N1 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 DEG NCON 3 S.N1 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 DEG NCON 3 S.N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 DEG T S.IRM4 = %REM(&IEN4 1 0 S.IRM2) T S.IRM2 = %REM(&IEN2 1 0 &IRN2) T S.IRM1 = %REM(&IEN2 1 0 &IRN2) T S.IRM1 = %REM(&IEN2 1 0 &IRN2) T S.IRM1 = %REM(&IEN5 1 0 &IRN2) T S.IRM2 = %REM(&IEN5 1 0 &IRN2) T S.IRM2 = %REM(&IEN5 1 0 &IRN2) T S.IRM4 = %REM(&IEN5 1 0 &IRN2) T S.IRM2 = %REM(&IEN5 1 0 &IRN3) T S.IRM2 = %REM(&IEN5 1 0 &IRN2) T S.IRM4 = %REM(&IEN5 1 0 &IRN2) T S.IRM4 = %REM(&IEN5 1 0 &IRN3) T S.IRM2 = %REM(&IEN5 1 D &IRN3) T S.IRM4 = %REM(&IEN5 1 D &IRN3) T S.IRM5 = %REM(&IEN5 1 D &IRN5		22-NOV-88 06 48 Page
T \$N4 * \$IBC1(&IRN4 &I) NCON 3 \$N1 &N2 &M4 1 1 1 -1 &COSA &SIMA 0 1 0E9 NCON 3 \$N1 &N2 &M4 1 1 1 -1 &SINN &COSA 0 1 0E9 NCON 3 \$N3 &N2 &M4 1 1 1 -1 &SINN &COSA 0 1 0E9 NCON 3 \$N3 &N2 &M4 2 2 2 -1 &SINN &COSA 0 1 0E9 NCON 3 \$N3 &N2 &M4 2 2 2 -1 &SINN &COSA 0 1 0E9 MCON 3 \$N1 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 MCON 3 &N3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 O NOP O NOP IT \$IRM4 * \$REM(&IFN3 1 0 &IRN3) T \$IRM2 * \$REM(&IFN3 1 0 &IRN3) T \$IRM4 * \$REM(&IFN3 1 0 &IRN3) T \$IRM4 * \$REM(&IFN3 1 0 &IRN3) T \$IRM5 * \$REM(&IFN3 1 0 &IRN3) T \$IRM6 * \$REM(&IFN3 1 0 &IRN3) T \$IRM7 * \$REM(&IFN3 1 0 &IRN3) T \$IRM8 * \$REM(&IFN3 1 0 &IRN3) T \$IRM8 * \$REM(&IFN3 1 0 &IRN3) T \$IRM9 * \$REM(&IFN3 1 0 &IRN3)		22-NOV-88 06 48 Page
T \$M4 * % IBC1(&IRN4 &I) NCON 3 \$N1 &N2 &N4 1 1 1 -1 &COSA &SINA 0 1 0E9 NCON 3 \$N3 &N2 &N4 1 1 1 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 1 1 1 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 2 2 2 -1 &COSA &SINA 0 1 0E9 NCON 3 &N3 &N2 &N4 2 2 2 -1 &SINN &COSA 0 1 0E9 NCON 3 &N1 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N1 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 I SIRM * YREM(&IENA 1 0 SIRM3) T \$IRM3 * XREM(&IENA 1 0 SIRN3) T \$IRM1 * XREM(&IFN1 1 0 SIRN1) ET 10 COPY FRED 0 0 NAME TORO IPUT ET 10 INSERT FRED 0 0 NAME TORO IPUT ET 10 INSERT FRED 0 0 NAME TORO OPUT ET 10 INSERT FRED 0 0 NAME TORO OPUT ET 10 INSERT NSET 10 I \$IRM1 * XIEM(&IFN1 1)		22-NOV-88 06 48 Plage
T \$N44 = %IBC1(&IRN4 &I) NCON 3 \$N1 &N2 &N4 1 1 1 -1 &COSA &SINA 0 1 0E9 NCON 3 \$N3 &N2 &N4 1 1 1 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 1 1 1 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 2 2 2 -1 &COSA &SINA 0 1 0E9 NCON 3 &N3 &N2 &N4 2 2 2 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 2 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N5 &N5 &N5 &N5 &N5 &N5 &N5 &N5 &N5 &N5		22-NOV-88 06 48 Plage
T \$N4 = %IBC1(&IRN4 &I) NCON 3 \$N1 &N2 &N4 1 1 1 -1 &COSA &SIMA D 1 DE9 NCON 3 \$N3 &N2 &N4 1 1 1 -1 &SINN &COSA 0 1 DE9 NCON 3 &N3 &N2 &N4 1 1 1 -1 &SINN &COSA 0 1 DE9 NCON 3 &N1 &N2 &N4 2 2 2 -1 &SINN &COSA 0 1 DE9 NCON 3 &N3 &N2 &N4 2 2 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 DE9 0 MOP 1 &IRM3 = %REM(&IEN3 1 D &IRN4) 1 &IRM3 = %REM(&IEN3 1 D &IRN3) 1 &IRM3 = %REM(&IEN3 1 D &IRN3) 1 &IRM3 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 1 &IRM1 = %REM(&IEN3 1 D &IRN3) 2 &IRM1 = %REM(&IEN3 1 D &IRN3) 2 &IRM1 = %REM(&IEN3 1 D &IRN3) 2 &IRM1 = %REM(&IEN3 1 D &IRN3) 2 &IRM1 = %REM(&IEN3 1 D &IRN3) 3 &IRM1 = %REM(&IEN3 1 D &IRN3)		22-NOV-88 06 48 Plage
T \$M4 = %IBC1(&IRN4 &I) NCON 3 \$M1 &N2 &M4 1 1 1 -1 &COSA &SINA 0 1 0E9 NCON 3 &N3 &N2 &M4 1 1 1 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 2 2 2 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 2 2 2 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 2 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 5 NCON 3 &N4 &I SIN		22-NOV-88 06 48 Page
T \$N44 = %IBC1(&IRN4 &I) NCON 3 \$N1 &N2 &N4 1 1 1 -1 &COSA &SINA 0 1 0E9 NCON 3 \$N3 &N2 &N4 1 1 1 -1 &SINN &COSA 0 1 0E9 NCON 3 &N1 &N2 &N4 2 2 2 -1 &COSA &SINA 0 1 0E9 NCON 3 &N1 &N2 &N4 2 2 2 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 2 2 2 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 2 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N5 &N5 &N5 &N5 &N5 &N5 &N5 &N5 &N5 &N5		22-NOV-88 06 48 Plage
T \$N44 = \$IBC1(&IRN4 &I) NCON 3 \$N1 &N2 &N4 1 1 1 -1 &COSA &SIMA 0 1 0E9 NCON 3 \$N3 &N2 &N4 1 1 1 -1 &SINN &COSA 0 1 0E9 NCON 3 \$N3 &N2 &N4 2 2 2 -1 &COSA &SINA 0 1 0E9 NCON 3 &N3 &N2 &N4 2 2 2 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 2 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA 0 1 0E9 T \$IRM3 = XFM(&IFN3 1 0 &IRN3) T \$IRM3 = XFM(&IFN3 1 0 &IRN3) T \$IRM4 = XFM(&IFN3 1 0 &IRN3) T \$IRM4 = XFM(&IFN3 1 0 &IRN3) T \$IRM5 = XFM(&IFN3 1 0 &IRN3) T \$IRM6 = XFM(&IFN3 1 0 &IRN1) ET 10 INSETT FREQ 0 0 NAME TORQ OPUT ET 10 INSETT FREQ 0 0 NAME TORQ OPUT IST 10 INSETT FREQ 0 0 NAME TORQ OPUT IST 10 INSETT NSET 10 T \$IRN1 = XFM(&IFN1 1) 30 &I=1 &2000 1 T \$IRN1 = XFM(&IFN1 3I) T \$Y = XXN(&N1 1) T \$Y = XXN(&N1 1) T \$Y = XXN(&N1 1) T \$Y = XXN(&N1 1) T \$Y = XXN(&N1 2) T \$X = XXN(&N1 1) I \$Y = XXN(&N1 1) I \$X = XIRM(&IFN1 1 0 &IRN1) I SYNTAX OFF		22-NOV-88 06 48 Plage
T \$N4 = %IBC1(\$IRN4 &1) CON 3 \$M1 AN2 \$M4 1 1 1 -1 \$COSA \$SINA 0 1 0E9 CON 3 \$M3 \$M2 \$M4 1 1 1 -1 \$SINN \$COSA 0 1 0E9 CON 3 \$M3 \$M2 \$M4 2 2 2 -1 \$COSA \$SINA 0 1 0E9 CON 3 \$M3 \$M2 \$M4 2 2 2 -1 \$SINN \$COSA 0 1 0E9 CON 3 \$M3 \$M2 \$M4 2 2 2 -1 \$SINN \$COSA 0 1 0E9 CON 3 \$M3 \$M2 \$M4 3 3 3 -1 \$COSA \$SINA 0 1 0E9 CON 3 \$M3 \$M2 \$M4 3 3 3 -1 \$SINN \$COSA 0 1 0E9 CON 3 \$M3 \$M2 \$M4 3 3 3 -1 \$SINN \$COSA 0 1 0E9 ONDP ONDP T \$IRM = %REM(\$IEN4 1 0 \$IRN4) T \$IRM3 = %REM(\$IEN3 1 0 \$IRN3) T \$IRM3 = %REM(\$IEN3 1 0 \$IRN3) T \$IRM4 = %REM(\$IEN3 1 0 \$IRN1) T \$IRM5 = %REM(\$IEN3 1 0 \$IRN1) T \$IRM6 = %REM(\$IEN3 1 0 \$IRN1) T \$IRM7 = %REM(\$IEN3 1 0 \$IRN1) T \$IRM7 = %REM(\$IEN3 1 0 \$IRN1) T \$IRM8 = %REM(\$IEN3 1 0 \$IRN1) T \$IRM8 = %REM(\$IEN3 1 0 \$IRN1) T \$IRM8 = %REM(\$IEN3 1 0 \$IRN1) T \$IRM9 = %REM(\$IEN3 1 0 \$IRN1) T \$IRM1 = %IEC(\$IRM1 \$IRN1 1 0 \$IRN1) T \$IRM1 = %IEC(\$IRM1 \$IRN1 1 0 \$IRN1) T \$M1 = %IEC(\$IRM1 \$IRN1 1 0 \$IRN1) T \$M1 = %IEC(\$IRM1 \$IRN1 1 0 \$IRN1) T \$M3 = %M3 \$M3 \$M3 1 2 C1 -1 C2 \$M3 Q 1 0E9 SUPPRESS TOP EDGE OF HUB IN AXIAL DIRECTION FSUP 3 NAME AXIS SUPP HUB		22-NOV-88 06 48 Plage
T \$M4 = %IBC1(&IRN4 &I) NCON 3 \$M1 &N2 &M4 1 1 1 -1 &COSA &SINA 0 1 0E9 NCON 3 &N3 &N2 &M4 1 1 1 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 2 2 2 -1 &SINN &COSA 0 1 0E9 NCON 3 &N1 &N2 &M4 2 2 2 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 2 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 2 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON TO NOP T &IRM = %REM(&IENA 1 0 &IRNA) T \$IRM3 = %REM(&IENA 1 0 &IRNA) T \$IRM3 = %REM(&IEN3 1 0 &IRN3) T \$IRM4 = %REM(&IEN3 1 0 &IRN3) T \$IRM1 = %REM(&IEN3 1 0 &IRN3) T \$IRM1 = %REM(&IEN3 1 0 &IRN3) T \$IRM1 = %REM(&IEN3 1 0 &IRN3) T \$IRM1 = %REM(&IEN3 1 0 &IRN3) T \$IRM1 = %REM(&IEN3 1 0 &IRN3) T \$IRM1 = %REM(&IEN3 1 0 &IRN3) T \$IRM1 = %IEC1(&IRN1 &IRN1 &IRN1) I \$IRM1 = %IEC1(&IRN1 &I		22-NOV-88 06 48 Page
T \$N44 = \$IBC1(&IRN4 &I) NCON 3 \$N13 &N2 &N4 1 1 1 -1 &COSA &SIMA D 1 DES NCON 3 \$N3 &N2 &N4 1 1 1 -1 &SINN &COSA O 1 DES NCON 3 \$N3 &N2 &N4 2 2 2 -1 &COSA &SIMA D 1 DES NCON 3 &N3 &N2 &N4 2 2 2 -1 &SINN &COSA O 1 DES NCON 3 &N3 &N2 &N4 2 2 2 -1 &SINN &COSA D 1 DES NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA D 1 DES NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA D 1 DES NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA D 1 DES NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA D 1 DES NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA D 1 DES NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA D 1 DES NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA D 1 DES NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA D 1 DES NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA D 1 DES NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINN &COSA D 1 DES NCON 3 &N3 &N2 &N4 2 DES NCON 3 &N3 &N2 &N4 2 DES NCON 3 &N3 &N2 &N4 2 DES NCON 3 &N3 &N2 &N4 3 DES NCON 5 &N3 &N4 &N4 DES NCON 5 &N4 DES NCON 5 &N4 DES NCON 5 &N4 DES NCON 5 &N4 DES NCON 5 &N4 DES		22-NOV-88 06 48 Page
T \$M4		22-NOV-88 06 48 Page
T \$M4 = %IBC1(&IRN4 &I) NCON 3 \$N1 &N2 &M4 1 1 1 -1 &COSA &SINA 0 1 0E9 NCON 3 &N3 &N2 &M4 1 1 1 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 2 2 2 -1 &COSA &SINA 0 1 0E9 NCON 3 &N3 &N2 &M4 2 2 2 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 2 2 2 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 2 3 3 3 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINA &COSA 0 1 0E9 NCON 1 &NET		22-NOV-88 06 48 Plage
T \$M4 = %IBC1(&IRN4 &I) NCON 3 \$N1 &N2 &M4 1 1 1 -1 &COSA &SINA 0 1 0E9 NCON 3 &N3 &N2 &M4 1 1 1 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 2 2 2 -1 &COSA &SINA 0 1 0E9 NCON 3 &N3 &N2 &M4 2 2 2 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 2 2 2 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 2 3 3 3 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINA &COSA 0 1 0E9 NCON 3 &N3 &N2 &N4 3 3 3 -1 &SINA &COSA 0 1 0E9 NCON 1 &NET		22-NOV-88 06 48 Plage
T \$N44 = %IBC1(&IRN4 &I) NCON 3 \$N1 &N2 &M4 1 1 1 -1 &COSA &SIMA 0 1 0E9 NCON 3 \$N3 &N2 &M4 1 1 1 -1 &SINN &COSA 0 1 0E9 NCON 3 &N1 &N2 &M4 2 2 2 -1 &COSA &SIMA 0 1 0E9 NCON 3 &N1 &N2 &M4 2 2 2 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 2 2 2 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 2 2 2 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 2 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 0E9 NCON 3 &N3 &N2 &M4 3 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1		22-NOV-88 06 48 Page
T \$M4		22-NOV-88 06 48 Plage
T \$M4 = %IBC1(&IRN4 &I) NCON 3 \$M1 &N2 &M4 1 1 1 -1 &COSA &SINA D 1 DE9 NCON 3 \$M1 &N2 &M4 1 1 1 -1 &SINN &COSA 0 1 DE9 NCON 3 &M1 &N2 &M4 2 2 2 -1 &SINN &COSA 0 1 DE9 NCON 3 &M1 &N2 &M4 2 2 2 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &N2 &M4 2 2 2 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &N2 &M4 2 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &N2 &M4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &M2 &M4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &M2 &M4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &M2 &M4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &M2 &M4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &M2 &M4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &M2 &M4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &M2 &M4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &M2 &M4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &M2 &M4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &M2 &M4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &M2 &M4 3 3 3 -1 &SINN &COSA 0 1 DE9 NCON 3 &M3 &M2 &M4 3 M3 &M4 3 M4 3 M4 3 M4 3 M4 3 M4 3	43	22-NOV-88 06 48 Plage

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OCTUE MODEL				
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		ry SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 48 Pa
ET	\$13 = \$18 + \$10F1 + \$1	INC F	
IME IME IME	SLCO ST1 SLCI ST2 SLCO ST3	0123	
O IME	NOP SLCO STV	<tinc> \$ FINAL LOAD = 0</tinc>	
CASE IME	2	\$ 1ST PARTIAL VANE	
1ME 20	\$LCO 0 \$1 = 1 \$NSEG 1 \$1C = \$NSEG + \$1	\$ INTITIAL LOAD = 0 \$ LOOP THROUGH NUMBER OF SECHENTS	
ASE T	3IC 3P1 = 3PRES = 3B1(3I) 3P2 = 3PRES = 3B2(3I)	S ACTUAL PRESSURE ON COSINE S ACTUAL PRESSURE ON SINE S COSINE S SINE	
JRF JRF T	\$LCO 0 \$1 = 1 9NSEG 1 \$1C = \$NSEG + 51 \$1C \$P1 = \$PRES + \$B1(\$1) \$P2 = \$PRES + \$B2(\$1) \$P1 3 MSET 2 \$P2 3 MSET 2 \$N = \$1 - 1 \$TINC = \$FLOA(\$N) + \$1 \$LCI = \$IC	> !IME INCREMENT FOR LOOPS	
<u> </u>	STINC = %FLOA(SN) * 81 SLCI * SIC		
[\$LCI = &IC \$T1 = \$T0F2 + &TINC \$12 = \$1A + \$10F2 + &T \$13 = \$TB + \$10F2 + &T	INC	
ME	91 CO 8T1 91 CT 972 91 CO 8T3	F	
IME		\$ 0 1 2 3 4 CTINC>	· · · · · · · · · · · · · · · · · · ·
ME	SLCO STV	S FINAL LOAD = 0	·
ASE	3 %LC26 * 26	\$ 2NO PARTIAL VANE (A)	
ASE	%LC26 - %P1 = %PRES + &C1(6) /	\$ FIRST AND LAST LOAD CASES FOR LTCASE 3 2 \$ ACTUAL PRESSURE ON COSINE 2 \$ ACTUAL PRESSURE ON SYNE 5 TIME AT END OF INITIAL LOAD CASE	
JRF	\$T\$12 = \$T\$ 12 \$P1 1 3 MSET 13 \$P2 1 3 MSET 23	S TIME AT END OF INITIAL LOAD CASE S COSINE S SINE	
RE ME ME	\$LC26 0 \$LC0 \$T\$12	S INITIAL LOAD	
		S LOOP THROUGH NUMBER OF SEGMENTS	
30 SE	\$IC = 2 * \$NSEG + \$I \$IC \$P1 * \$PRES * \$C1(\$I) \$P2 * \$PRES * \$C2(\$I)	S ACTUAL PRESSURE ON COSINE	
		ry SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 48 Pa
IRF IRF	\$P1 1 3 MSET 13 \$P2 1 3 MSET 23 \$N = \$I - 1	S COSINE S TIME S TIME INCREMENT FOR LOOPS	
	STINC = %FLOA(SN) + 81 SLCI + RIC ST1 = STOF3 - STINC	S	
	\$T1 = \$T0F3 + \$TINC \$T2 = \$TA + \$T0F3 + \$1 \$T3 = \$TB + \$T0F3 + \$1	INC INC	
	alco ati	\$ /\	
4Ē 4Ē	\$LCT \$12 \$13-81V 1 1 :31 \$LCO \$73	\$ 0 1 2 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	*
0	NOP 32 CONTINUE		
ME	SLC26 STV	\$ FINAL LOAD	
ASE		\$ 2ND PARTIAL VANE (B)	
40	\$1 * 1 \$NSEG 1 \$1 * 1 \$NSEG 1 \$10 * 3 * \$NSEG - \$1 \$10	\$ 2ND PARTIAL VANE (8) \$ INITIAL LOAD = 0 \$ LOOP THROUGH NUMBER OF SEGMENTS	
ASE ME 40 SE RF	\$10 AP1 * \$PRES * \$D1(AT) \$P2 * \$PRES * \$D2(8T) \$P1 1 3 MSET 14 \$P2 1 3 MSET 24	S ACTUAL PRESSURE ON COSTNE S ACTUAL PRESSURE ON SINE	
RF	\$P1 1 3 MSET 14 \$P2 1 3 MSET 24 AN # AT - 1 &TINC = %FLOA(\$N) * &1	S ACTUAL PRESSURE ON COSTNE S ACTUAL PRESSURE ON SINE S COSTNE S SINE S TIME INCREMENT FOR LOOPS	
		5	
	AT1 = AT0F4 + STINC ST2 = STA + ST0F4 + ST ST3 = STB + ST0F4 + ST	INC INC	
ME ME	\$LCO &T1 &LCI &T2 &LCO &T3	• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·
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ME	NOP SLCO STV	\$ FINAL LOAD = 0	
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SOLVE 10EW 1000000 2500 1000000 2500 10EW 10		DISK [FONG SSME IMP.OUT]		22-NOV-88 0	6 48 Pe
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SECOND TOTAL STATE OF SECOND STATE OF SECOND	LUASE 32 PSURF 1 1 3 MSFT 22				
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- 1MPD2 CRY : Directory SAM_DISK [FOND SSHE IMP OUT] 22-MOV-88 Of 48 P CCOUTVINIFON THE VALUE OF	TART 200000	PODOLITY INTO COANTY INTO COOR OF THE STA			
- 1MPD2 CRY : Directory SAM_DISK [FOND SSHE IMP OUT] 22-MOV-88 Of 48 P CCOUTVINIFON THE VALUE OF	CDOUT UNFO = CRAY MRS = 8000 8 INTO EV	BCDOUT\UNFO=CRAY\MR\$=8000 8 ELEM_EV BCDOUT\UNFO=CRAY\MR\$=8000 8 X.NV BCDOUT\UNFO=CRAY\MR\$=8000 8 PDF MV			
- 1MPD2 CRY : Directory SAM_DISK [FOND SSHE IMP OUT] 22-MOV-88 Of 48 P CCOUTVINIFON THE VALUE OF	CCDOUT\UNFO=CRAY\MRS=8000 8 ROY NV BCDOUT\UNFO=CRAY\MRS=8000 8 IR NV	BCDOUT UNFO = CRAY WRS = 8000 8 DOF NV BCDOUT UNFO = CRAY WRS = 8000 8 IER EV			
- IMPD2 CRY	ICDOUT\UNFO=CRAY\MRS=8000 8 LCS NV ICDOUT\UNFO=CRAY\MRS=8000 8 SDF NV	BCDOUT\UNFO=CRAY\MRS=8000 8 SKEW.MV BCDOUT\UNFO=CRAY\MRS=8000 8 NAME.MV			
- IMPD2 DRY	CDOUT\UNFO=CRAY\MRS=8000 8 MESH HED CDOUT\UNFO=CRAY\MRS=8000 8 MESH HED CDOUT\UNFO=CRAY\MRS=8000 8 NLST NV 0	BCD001 (UNFO=CRAT (MRS=8000 8 CON CON CON CON CON CON CON CON CON CON	107	•	
- IMPO2 DRY Directory SAM_DISK [FONG SSHE IMP OUT] 22-NOV-88 OF 48 P CDOUT/EXTEND 7 EV NV ? C CDOUT/EXTEND 7 EV NV ? C CDOUT/EXTEND 7 EV NV ? C CDOUT/EXTEND 7 EV NV ? C TOP TOP TOP TOP	CDOUT UNFO-CRAY NRS-8000 8 CON RM DI	?			
- IMPD2 CRY	CODUT\UNFO=CRAY\MRS=8000 8 PCT HED ? CODUT\UNFO=CRAY\MRS=8000 8 SYS CRM CODUT\UNFO=CRAY\MRS=8000 8 MITE MITE		•		
- IMPO2 DRY Directory SAM_DISK [FOND SSHE IMP OUT] 22-NOV-88 06 48 PCDOUT/LINEOUS FEND 8 LMPF RV ? ? CDOUT/EXTEND 7 LTH CRM ? ? CDOUT/EXTEND 7 LTH CRM ? ? TOP TOP TOP	CDOUT\UNFO=CRAY\WRS=8000 8 UL NV 0	, , , , , , , , , , , , , , , , , , , ,			
- IMPO2 DRY Directory SAM_DISK [FONG SSHE IMP OUT] 22-NOV-88 06 48 P CDOUT/EXTEND 7 EL IN P 2 P 2 P CDOUT/EXTEND 7 LINF CSM ? P CDOUT/EXTEND 7 LINF CSM ? P TOP TOP TOP	CDOUT\UNFO=CRAY\MR\$=8000 8 VIBE`SV 0 CDOUT\UNFO=CRAY\MR\$=8000/EXTEND 8 EV	2 RV 7 ?			
- IMPO2 DRY Directory SAM_DISK [FONG SSHE IMP OUT] 22-NOV-88 06 48 P CDOUT/LINEOUS TEURO 8 LMPF RV ? ? CDOUT/EXTEND 7 LTM CSM ? ? CDOUT/EXTEND 7 LTM CSM ? ? TOP TOP TOP	CDOUT\UNFO=CRAY\MRS=8000/EXTEND 8 LT	f.CRM ? ?		·	
COOUT/ENTEND 7 EN N 7 ? COOUT/ENTEND 7 EN N 7 ? COOUT/ENTEND 7 EN N 7 ? COOUT/ENTEND 7 EN N 7 ? COOUT/ENTEND 7 LIMPF RV 7 ? COOUT/ENTEND 7 LIMPF RV 7 ? EDF		<u> </u>	·		-
CODUT/EXTEND 7 LTW row 7 ? CODUT/EXTEND 7 LTW row 7 ? CODUT/EXTEND 7 LWPF RV 7 ? FOR EOF					
	* 1MPD2 CRY 1 Directory SAM_i	DISK [FONG SSME IMP OUT]		22-NOV-88 C	96 48 Pi
	= 1MPD2 CRY \ Directory SAM_ICDOUT\UNFO=CRAY\MRS=8000/EXTEND 8 LM	DISK [FONG SSME IMP OUT]		22-NOV-88 C	96 48 Pi
	= 1MPD2 CRY 1 Directory SAM_I	DISK [FONG SSME IMP OUT]		22-NOV-88 C	D6 48 P
D-46	= IMPD2 CRY \ Directory SAM_I CDOUT\UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RY ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LTM PF RY ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	56 48 PI
D-46	= 1MPD2 CRY 1 Directory SAM_I CDOUT\UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTH CRM ? ? CDOUT/EXTEND 7 LTH CRM ? ? CDOUT/EXTEND 7 LTH CRM ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	96 48 PI
D-46	- IMPD2 CRY. 1 Directory SAM_I CDOUT\UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LMPF RV ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	D6 48 P
D-46	- IMPO2 CRY. 1 Directory SAM_I CDOUT_UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LMPF RV ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	56 48 P
D-46	- IMPO2 CRY. 1 Directory SAM_I CDOUT_UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LMPF RV ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	56 48 F
D-46	- IMPO2 CRY. 1 Directory SAM_I CDOUT_UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LMPF RV ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	56 48 P
D-46	- IMPO2 CRY. 1 Directory SAM_I CDOUT_UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LMPF RV ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	96 48 F
D-46	- IMPO2 CRY. 1 Directory SAM_I CDOUT_UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LMPF RV ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	56 48 F
D-46	* IMPD2 CRY. 1 Directory SAM_I CDOUT_UNFO=CRAY\MRS*8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTH CRM ? ? CDOUT/EXTEND 7 LTH CRM ? ? CDOUT/EXTEND 7 LTH CRM ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	56 48 F
D-46	- IMPO2 CRY. 1 Directory SAM_I CDOUT_UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LMPF RV ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	96 48 F
D-46	* IMPD2 CRY. 1 Directory SAM_I CDOUT_UNFO=CRAY\MRS*8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTH CRM ? ? CDOUT/EXTEND 7 LTH CRM ? ? CDOUT/EXTEND 7 LTH CRM ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	06 48 F
D-46	= IMPD2 CRY Directory SAM_ CDOUT\UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LMPF RV ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	56 48 P
D-46	- IMPD2 CRY. 1 Directory SAM_I CDOUT\UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LMPF RV ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	96 48 F
D-46	= IMPD2 CRY Directory SAM_ CDOUT\UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LMPF RV ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	96 48 F
D-46	= IMPD2 CRY Directory SAM_I CDOUT\UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LMPF RV ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	56 48 F
D-46	= IMPD2 CRY \ Directory SAM_I CDOUT\UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RY ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LTM PF RY ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	06 48 P
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	= IMPD2 CRY Directory SAM_I CDOUT\UNFO=CRAY\MRS=8000/EXTEND 8 LM CDOUT/EXTEND 7 EV.RV ? ? CDOUT/EXTEND 7 LTM CRM ? ? CDOUT/EXTEND 7 LMPF RV ? ?	DISK [FONG SSME IMP OUT]		22-NOV-88 C	06 48 P

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IMPLER CRY; 1 IOR -NA-IMPLER CL-DI		(FONG SSME THE OUT)	22-NOV-88
CCOUNT AC=2 UPW=	EFERRD T=300 MFL=2000000	• • • • • • • • • • • • • • • • • • • •	
· SSME IMPELLER M	ODEL - FINAL DYNAMIC RES	SULTS +	
ETCH DN=MESH DF=TI	R TEXT= DISKB [FERGUSON	CEXL3D2 MESH CEX	
DANU	R TEXT+'DISKB [FERGUSON TR TEXT+'DISKB [FERGUSON		
ETCH DN=MATL OF+T	TR_TEXT+'DISKB_[FEROUSON R_TEXT+'DISKB_[FEROUSON	CEXL3D2 MATL CEX	
MATL	ILOO2 TEXT= 'DISKE [FONG	•	
MESH CLEAR 500000			
AZ MYPO 1500 1500	7000		
IEAD 1 'SSME IMF	PELLER MODEL YNAMIC RESULTS		
	O IPSK=0 IPEL=0 IPCO=0		,
MESH POINT FROM CA	ADAM WAL-SSME-HÜB F	FEM14 2.7129 -3.6254	
UPDINT 3 -	-5 1 4 3907 -5 1 3 2316	7129 -3 6254 3 9035 -3 6254 4 9064 -3 6254 5 5759 -3 6254 5 8653 -3 6264 2 4557 -3 6379	
JPOINT 5	-5 1 1 8508 -5 1 0 3380 -5 3 5 0396	5 5759 -3 6254 5 8653 -3 6254 2 4557 -3 6379	
UPOINT 7	·5 3 4 3617 ·5 3 3 3006	4 5315 -3 6379	
JPOINT 9	·5 3 2 0166 ·5 3 0 5963	5 2308 -3 6379 5 5743 -3 6376	*
LIPOTNI 12	-5 5 4 8716 -5 5 4 3232 -5 5 3 3604	2 1801 -3 6504 3 1298 -3 6504	
UPOINT 14 UPOINT 15	-5 5 3 3604 -5 5 2 1791 -5 5 0 8458	4 8721 -3 6504	
UPGINT 16	-5 7 4 700 9	1 8942 -3 6630 2 7327 -3 6630	
JPOINT 19 JPOINT 20	-5 7 2.3302 -5 7 1.0914	4 5007 -3 6630 4 9493 -3 6630	
JPOINT 21	-5 9 4 5272 -5 9 4 1718	1 5928 -3 6755 2 3725 -3 6755	
JPDINT 24	-5 9 3 4484 -5 9 2 4267 -5 9 1 3159	4 1405 -3 6755	
	-5 9 1 3159 -5 11 4 3535 -5 11 4 0375	4 6153 -3 6755 1 2559 -3 6880 2 0564 -3 6880	
	2 7 70 70	\$ 400m -2 0000	
POINT 28 POINT 29	-5 11 3 443 1	2 0564 -3 6880 2 9454 -3 6880 3 7997 -3 6880	
JPOINT 28	- <u>5</u> 11 3 443 1	2 9454 -3 6880 3 7997 -3 6880 4 2728 -3 6880	
JP01NT 28 JP01NT 28 JP01NT 30 JP01NT	5 11 3 4431 -5 11 1 5078	1 7987 -3 6880 4 2728 -3 6880	22-NOV-88
#POINT 28 #POINT 30 # IMPLIE CRY 1	5 11 3 4431 -5 11 2 4684 -5 11 1 5078 Directory SAM_DISK	7987 -3 6880 4 2728 -3 6880 [FONG SSME 1WP OUT] 0 9295 -3 7000	
#POINT 30 # IMPLER CRY 1 UPOINT 31 UPOINT 31 UPOINT 33 UPOINT 33 UPOINT 34 UPOINT 34	Directory SAM_DISK -5 13 4 1603 -5 13 3 4174 -5 13 3 4174 -5 13 3 4776	TONG SSME IMP OUT 0 9295 - 3 7000 1 7712 - 3 7000 2 5482 - 3 7000 3 4727 - 3 7000 3 4727 - 3 7000	
# IMPLLR CRY 1 # IMPLR CRY 1 #	Directory SAM_DISK Directory SAM_DISK 5 13 4 1603 5 13 2 4774 5 13 1 5646 5 13 1 9360	FONG SSME IMP OUT] 0 9295 -3 7000 1 7712 -3 7000 2 5482 -3 7000 3 4727 -3 7000 3 9159 -3 7000 0 6011 -3 7000 1 3810 -3 7000	22-NOV-88
- IMPLLR CRY 1 - IMPLR CRY 1 - IMPLLR CRY 1 - IMPLR CRY 1	Directory SAM_DISK Directory SAM_DISK 5 13 4 1603 5 13 3 4174 5 13 2 4724 5 13 1 6846 5 15 3 3696 -5 15 3 3696 -5 15 3 3696	FONG SSME IMP OUT] 0 9295 -3 7000 1 7712 -3 7000 2 5482 -3 7000 3 9159 -3 7000 0 6011 -3 7000 1 3810 -3 7000 2 1378 -3 7000 2 1378 -3 7000	22-NOV-88
#POINT 35 #POINT 35 #IMPLER CRY 1 #POINT 31 #POINT 33 #POINT 33 #POINT 35 #POINT 36 #POINT 36 #POINT 38 #POINT 40 #POINT 41	Directory SAM_DISK Directory SAM_DISK 5 13 4 1603 5 13 3 4174 5 13 2 4724 5 13 3 2686 6 15 3 3566 6 15 3 3566 6 15 3 3686 6 15 1 3 4686 6 15 3 3686 6 15 3 3686 6 15 3 3686	FONG SSME IMP OUT	22-NOV-88
# IMPLUR CRY 1 # IMPLUR CRY 1 # IMPLUR CRY 1 # IMPLUR CRY 1 # IMPUR CRY	Directory SAM_DISK 5 11 1 5078 Directory SAM_DISK 5 13 4 1603 5 13 3 4776 5 13 3 4774 5 13 3 24724 5 15 3 3696 5 15 3 3696 5 15 3 3696 5 17 3 6446 5 17 3 5668 5 17 3 5668 5 17 3 2768 5 17 3 2768	FONG SSME IMP OUT	22-NOV-88
#POINT 39 #POINT 31 #POINT 31 #POINT 32 #POINT 32 #POINT 33 #POINT 33 #POINT 36 #POINT 38 #POINT 38 #POINT 38 #POINT 38 #POINT 38 #POINT 39 #POINT 39 #POINT 41 #POINT 41 #POINT 41 #POINT 43 #POINT 43 #POINT 43 #POINT 43 #POINT 43 #POINT 43 #POINT 43 #POINT 43 #POINT 43 #POINT 43	Directory SAM_DISK -5 11 1 5078 -5 11 1 5078 Directory SAM_DISK -5 13 4 1603 -5 13 3 8775 -5 13 2 4724 -5 13 1 6246 -5 15 3 3596 -5 15 2 5441 -5 15 3 3596 -5 15 3 3596 -5 15 3 3596 -5 15 3 3596 -5 17 3 56846 -5 17 3 5688	3 7987 -3 6880 4 2728 -3 6880 (FONG SSME TWP OUT) 0 9295 -3 7000 1 7712 -3 7000 2 5482 -3 7000 3 9159 -3 7000 0 6011 -3 7000 1 3810 -3 7000 1 3810 -3 7000 3 0635 -3 7000 3 0635 -3 7000 0 2862 -3 7000 1 7046 -3 7000 1 7046 -3 7000 2 7636 -3 7000 3 1394 -3 7000 3 1394 -3 7000 3 1394 -3 7000	22-NOV-88
# IMPLLR CRY 1 # IMPLLR CRY 1 UPOINT 30 # IMPLLR CRY 1 UPOINT 31 UPOINT 32 UPOINT 33 UPOINT 36 UPOINT 36 UPOINT 38 UPOINT 38 UPOINT 38 UPOINT 39 UPOINT 40 UPOINT 41 UPOINT 41 UPOINT 42 UPOINT 42 UPOINT 42 UPOINT 43 UPOINT 43 UPOINT 44 UPOINT 44 UPOINT 45 UPOINT 46 UPOINT 47 UPOINT 47 UPOINT 47 UPOINT 47 UPOINT 47	Directory SAM_DISK -5 11 1 5078 -5 11 1 5078 -5 11 1 5078 -6 13 4 1603 -6 13 3 8776 -6 13 2 4724 -6 13 3 8776 -6 15 3 3696 -6 15 3 3696 -6 15 2 5441 -6 15 3 3696 -6 17 3 6946	3 7997 -3 6880 4 2728 -3 6880 (FONG SSME TWP OUT) 0 9295 -3 7000 1 7712 -3 7000 2 5482 -3 7000 3 9159 -3 7000 0 6011 -3 7000 1 3810 -3 7000 1 3810 -3 7000 3 0635 -3 7000 3 0635 -3 7000 0 2862 -3 7000 1 7346 -3 7000 1 7346 -3 7000 2 7636 -3 7000 1 7346 -3 7000	22-NOV-88
# IMPLLR CRY 1 # IMPLR CRY 1 # IMPL	Directory SAM_DISK -5 11 1 5078 -5 11 1 5078 -5 11 1 5078 -5 11 1 5078 -6 13 4 1603 -6 13 3 8776 -6 13 2 4724 -6 13 3 8476 -6 15 3 3696 -6 15 3 3696 -6 15 2 5441 -6 15 3 3696 -6 17 3 6946 -6 17 3	3 7997 -3 6880 4 2728 -3 6880 (FONG SSME TWP OUT) 0 9295 -3 7000 1 7712 -3 7000 2 5482 -3 7000 3 9159 -3 7000 0 6011 -3 7000 1 3810 -3 7000 1 3810 -3 7000 3 0635 -3 7000 3 0635 -3 7000 0 2862 -3 7000 1 7346 -3 7000 1 7346 -3 7000 2 7636 -3 7000 1 7346 -3 7000	22-NOV-88
# IMPLLR CRY 1 #POINT 30 # IMPLLR CRY 1 #POINT 31 #POINT 32 #POINT 33 #POINT 35 #POINT 36 #POINT 36 #POINT 36 #POINT 37 #POINT 38 #POINT 38 #POINT 40 #POINT 42 #POINT 42 #POINT 42 #POINT 42 #POINT 43 #POINT 45 #POINT 45 #POINT 45 #POINT 46 #POINT 46 #POINT 47 #POINT 48 #POINT 48 #POINT 48 #POINT 48 #POINT 48 #POINT 48 #POINT 49 #POINT 50 #POINT 51 #POINT 51	Directory SAM_DISK -5 11 1 5078 -5 11 1 5078 -5 11 1 5078 -5 11 1 5078 -6 13 4 1603 -6 13 3 8776 -6 13 2 4724 -6 13 3 8476 -6 15 3 3696 -6 15 3 3696 -6 15 2 5441 -6 15 3 3696 -6 17 3 6946 -6 17 3	3 7987 -3 6880 4 2728 -3 6880 4 2728 -3 6880	22-NOV-88
# IMPLLR CRY 1 # IMPLR CRY 1 # IMPL	Directory SAM_DISK 11	3 7997 -3 6880 4 2728 -3 6880 (FONG SSME TWP OUT) 0 9296 -3 7000 1 7712 -3 7000 2 5482 -3 7000 3 9153 -3 7000 0 6011 -3 7000 1 3810 -3 7000 0 6011 -3 7000 0 1378 -3 7000 0 3 0636 -3 7000 0 1 7048 -3 7000 1 7048 -3 7000 1 7048 -3 7000 1 7048 -3 7000 1 7046 -3 7000 1 7046 -3 7000 2 6536 -3 7000 1 7046 -3 7000 2 7046 -3 7000 3 7046 -3 7000 3 7000 -3 7000 3 7000 -3 7000 3 7000 -3 7000 3 7000 -3 7000 3 7000 -3 7000	22-NOV-88
# IMPLLR CRY 1 # IMPLR CRY 1 # IMPL	Directory SAM_DISK 11	3 7987 -3 6880 4 2728 -3 6880	22-NOV-88
# IMPLLR CRY 1 # IMPLR CRY 1 # IMPL	Directory SAM_DISK 11	3 7997 -3 6880 4 2728 -3 6880 4 2728 -3 6880 [FONG SSME TWP OUT] 0 9295 -3 7000 1 7712 -3 7000 2 5482 -3 7000 3 9153 -3 7000 0 6011 -3 7000 1 3810 -3 7000 1 3810 -3 7000 3 0635 -3 7000 3 0635 -3 7000 1 7346 -3 7000 1 7346 -3 7000 1 7346 -3 7000 1 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 2345 -3 7000 2 2346 -3 7000 2 2346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 2 7353 -3 7000 0 9306 -3 7000 0 9306 -3 7000 0 9306 -3 7000 1 8050 -3 7000 0 9306 -3 7000 0 9306 -3 7000 0 9306 -3 7000 0 9306 -3 7000 0 9306 -3 7000 0 9306 -3 7000 0 9306 -3 7000 0 9306 -3 6933 0 6116 -3 6933 0 6116 -3 6933	22-NOV-88
POINT 29 JPOINT 30 IMPLLR CRY 1 JPOINT 30 IMPLLR CRY 1 JPOINT 31 JPOINT 32 JPOINT 33 JPOINT 37 JPOINT 37 JPOINT 37 JPOINT 39 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 42 JPOINT 46 JPOINT 46 JPOINT 47 JPOINT 48 JPOINT 47 JPOINT 48 JPOINT 50 JPOINT 50 JPOINT 51 JPOINT 50 JPOINT 51 JPOINT 50 JPOINT 51 JPOINT 51 JPOINT 55 JPOINT 55 JPOINT 55 JPOINT 55 JPOINT 57	Directory SAM_DISK 11	3 7987 -3 6880 4 2728 -3 6880 4 2728 -3 6880	22-NOV-88
POINT 29 JPOINT 30 IMPLLR CRY 1 JPOINT 30 IMPLLR CRY 1 JPOINT 31 JPOINT 32 JPOINT 33 JPOINT 37 JPOINT 37 JPOINT 37 JPOINT 39 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 42 JPOINT 46 JPOINT 46 JPOINT 47 JPOINT 48 JPOINT 47 JPOINT 48 JPOINT 50 JPOINT 50 JPOINT 51 JPOINT 50 JPOINT 51 JPOINT 50 JPOINT 51 JPOINT 51 JPOINT 55 JPOINT 55 JPOINT 55 JPOINT 55 JPOINT 57	Directory SAM_DISK 11	3 7987 -3 6880 4 2728 -3 6880 4 2728 -3 6880	22-NOV-88
POINT 29 JPOINT 30 IMPLLR CRY 1 JPOINT 30 IMPLLR CRY 1 JPOINT 31 JPOINT 32 JPOINT 33 JPOINT 37 JPOINT 37 JPOINT 37 JPOINT 39 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 42 JPOINT 46 JPOINT 46 JPOINT 47 JPOINT 48 JPOINT 47 JPOINT 48 JPOINT 50 JPOINT 50 JPOINT 51 JPOINT 50 JPOINT 51 JPOINT 50 JPOINT 51 JPOINT 51 JPOINT 55 JPOINT 55 JPOINT 55 JPOINT 55 JPOINT 57	Directory SAM_DISK 11	3 7987 -3 6880 4 2728 -3 6880 4 2728 -3 6880 0 9295 -3 7000 1 7712 -3 7000 2 5482 -3 7000 3 9159 -3 7000 3 9159 -3 7000 3 9159 -3 7000 3 9159 -3 7000 3 0635 -3 7000 3 0635 -3 7000 3 0636 -3 7000 1 7346 -3 7000 2 6536 -3 7000 1 7346 -3 7000 2 6536 -3 7000 2 6536 -3 7000 1 3378 -3 7000 1 7346 -3 7000 2 7346 -3 7000 2 7346 -3 7000 0 6307 -3 7000 1 3276 -3 7000 0 6307 -3 7000 0 6307 -3 7000 0 7000 -3 7000 0 70	22-NOV-88
# IMPLLR CRY 1 # IMPLR CRY 1 # IMPLLR CRY 1 # IMPLLR CRY 1 # IMPLLR CRY 1 # IMPLR CRY	Directory SAM_DISK 11	7997 -3 6880 4 2728 -3 6880 (FONG SSME TWP OUT) 0 9295 -3 7000 1 7712 -3 7000 2 5482 -3 7000 3 9159 -3 7000 1 3810 -3 7000 1 3810 -3 7000 3 9159 -3 7000 3 9159 -3 7000 1 3810 -3 7000 1 3810 -3 7000 1 3811 -3 7000 1 3811 -3 7000 1 0048 -3 7000 1 7046 -3 7000 1 7046 -3 7000 1 7046 -3 7000 1 2276 -3 7000 0 6307 -3 7000 0 6307 -3 7000 0 23153 -3 7000 0 23153 -3 7000 0 23153 -3 7000 0 9306 -3 70	22-NOV-88
# IMPLLR CRY 1 # IMPLR CRY 1 # IMPLR CRY 1 # IMPLR	Directory SAM_DISK 11	7997 -3 6880 4 2728 -3 6880 (FONG SSME TWP OUT) 0 9295 -3 7000 1 7712 -3 7000 2 5482 -3 7000 3 9159 -3 7000 1 3810 -3 7000 1 3810 -3 7000 3 9159 -3 7000 3 9159 -3 7000 1 3810 -3 7000 1 3810 -3 7000 1 3811 -3 7000 1 3811 -3 7000 1 0048 -3 7000 1 7046 -3 7000 1 7046 -3 7000 1 7046 -3 7000 1 2276 -3 7000 0 6307 -3 7000 0 6307 -3 7000 0 23153 -3 7000 0 23153 -3 7000 0 23153 -3 7000 0 9306 -3 70	22-NOV-88
# IMPLER CRY 1 # IMPLER CRY 1	Directory SAM_DISK Directory SAM_DISK 11	7987 -3 6880 4 2728 -3 6880 (FONG SSME TWP OUT) 0 9295 -3 7000 1 7712 -3 7000 2 5482 -3 7000 3 4727 -3 7000 3 4727 -3 7000 3 4727 -3 7000 3 4727 -3 7000 3 13810 -3 7000 3 0636 -3 7000 3 0636 -3 7000 1 7946 -3 7000 0 2862 -3 7000 1 7946 -3 7000 0 2862 -3 7000 1 7946 -3 7000 0 2862 -3 7000 1 7946 -3 7000 0 2862 -3 7000 1 7946 -3 7000 0 2304 -3 7000 0 2304 -3 7000 0 2304 -3 7000 1 3276 -3 7000 1 3276 -3 7000 1 3276 -3 7000 2 3346 -3 7000 2 3346 -3 7000 2 346 -3 7000 2 3572 -3 7000 1 3050 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 7000 0 2006 -3 6833 -0 000 -3 6833 -0 000 -3 6833 -0 000 -3 6833 -0 000 -3 6833 -0 000 -3 6833 -0 000 -3 6833 -0 000 -3 6833 -0 000 -3 6833 -0 000 -3 6833 -0 000 -3 6833 -0 000 -3 6833 -0 000 -3 6833 -0 000 -3 6833 -0 000 -3 6833 -1 0249 -3 6851 -1 0249 -3 6851 -1 0249 -3 6851 -1 0249 -3 6851 -1 0248 -3 6859 -0 9263 -3 6879 -0 9263 -3 6879 -0 9263 -3 6879 -0 9263 -3 6879	22-NOV-88
POINT 29 JPOINT 30 IMPLLR CRY 1 JPOINT 30 IMPLLR CRY 1 JPOINT 31 JPOINT 32 JPOINT 32 JPOINT 33 JPOINT 37 JPOINT 37 JPOINT 37 JPOINT 37 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 60 JPOINT 70 JPOINT 70 JPOINT 70 JPOINT 70 JPOINT 70 JPOINT 70 JPOINT 70	Directory SAM_DISK Directory SAM_DISK 11	3 7987 -3 6880 4 2728 -3 6880 (FONG SSME TWP OUT) 0 9295 -3 7000 1 77112 -3 7000 2 5482 -3 7000 3 9153 -3 7000 3 9153 -3 7000 3 9153 -3 7000 3 9153 -3 7000 3 9153 -3 7000 1 7346 -3 7000 1 7346 -3 7000 1 7346 -3 7000 1 7346 -3 7000 1 7346 -3 7000 1 7346 -3 7000 1 7346 -3 7000 1 7346 -3 7000 1 7346 -3 7000 1 7346 -3 7000 1 7346 -3 7000 1 3276 -3 6833 1 3877 -3 6833 1 3877 -3 6833 1 3877 -3 6833 1 3877 -3 6833 1 4986 -3 6833 1 4986 -3 6833 1 4986 -3 6833 1 4986 -3 6833 1 4986 -3 6833 1 4986 -3 6833 1 4986 -3 6833 1 4986 -3 6859 1 2266 -3 6879	22-NOV-88
POINT 29 JPOINT 30 IMPLLR CRY 1 JPOINT 30 IMPLLR CRY 1 JPOINT 31 JPOINT 32 JPOINT 32 JPOINT 33 JPOINT 37 JPOINT 37 JPOINT 37 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 40 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 50 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 60 JPOINT 70 JPOINT 70 JPOINT 70 JPOINT 70 JPOINT 70 JPOINT 70 JPOINT 70 JPOINT 70 JPOINT 70 JPOINT 70 JPOINT 70 JPOINT 77 JPOINT 76 JPOINT 77 JPOINT 77 JPOINT 77 JPOINT 77 JPOINT 77 JPOINT 77 JPOINT 77	Directory SAM_DISK 11	7997 -3 6880 4 2728 -3 6880 (FONG SSME TWP OUT) 0 9295 -3 7000 1 7712 -3 7000 2 5482 -3 7000 3 9157 -3 7000 1 3810 -3 7000 1 3810 -3 7000 3 9157 -3 7000 0 6011 -3 7000 1 3810 -3 7000 1 0048 -3 7000 1 7046 -3 7000 1 7046 -3 7000 1 7046 -3 7000 2 7046 -3 7000 3	22-NOV-88
# IMPLLR CRY 1 # IMPLR CRY 1 # IMPLR CRY 1 # IMPLR CRY 1	Directory SAM_DISK Directory SAM_DISK 11	7987 -3 6880 4 2728 -3 6880 (FONG SSME TWP OUT) 0 9295 -3 7000 1 7712 -3 7000 2 5482 -3 7000 3 4727 -3 7000 3 9159 -3 7000 3 0635 -3 7000 3 0635 -3 7000 3 0635 -3 7000 1 1378 -3 7000 3 0635 -3 7000 1 0048 -3 7000 1 0048 -3 7000 1 0048 -3 7000 1 0048 -3 7000 1 0048 -3 7000 1 0048 -3 7000 1 0048 -3 7000 1 0048 -3 7000 1 0048 -3 7000 1 0048 -3 7000 1 0048 -3 7000 1 0048 -3 7000 1 0048 -3 7000 1 0052 -3 7000 1 00553 -3 7000 1 00553 -3 7000 1 3275 -3 7000 1 3275 -3 7000 1 3275 -3 7000 1 3275 -3 7000 1 3275 -3 7000 1 3275 -3 7000 1 3275 -3 7000 1 3275 -3 7000 1 3275 -3 7000 1 3275 -3 7000 1 3275 -3 7000 1 3275 -3 7000 1 3050 -3 700	22-NOV-88

IMPLL	CRY;1	Dire	etory	SAM_DISK	FONG SSME	IMP.	DUT]	22-NOV-88 08 48 Pag
POINT	86	-5 3	5	1.0501 1.4071 1.7920	-1 7838	-3.	3660 3660 3650	
POINT	87	5 -	16 16 16 19	1:7920	-1.5182 -1.0362	-3	9850	
JPOINT	89	-5 3	5	1.9777	-0 6112	-3	5660 5660	
JPÖINT JPÖINT	90 91	- 5 - 6	75	2.0621	-0 1804 -1 5813	-3 -3	SEEO	•
POINT	<u> </u>	-5	9	7 2372	-1 3458	-3	\$550 \$550	
POINT	93	-5 -5	9 9	1.5886	-0 9185 -0 5418	-3	5550 8550	
JPÓINT JPÓINT	95	-5	39	7532 1 8280 0 7370	-0 5418 -0 1599 -1 2519	- 3.	5660 5660 5660	
POINT	96 97	-5	41	0 7370	-1 2519	-3	5550	
JPÖINT JPÖINT	97 98		4 1 4 1	0 9875 1 2576	-1 0655 -0 7272	-3	5550 5550	,
JPÖINT	100	-5 4	41	1 3880	-0.4290	<u>-3</u>	8550 6550	
JPOINT	100		41	1 4472	-0 1266	-3	5550 5550	
JPOINT JPOINT	101 102	-5 6	43 43	0 6138 0 8225	-1 042 7 -0 8874		6650 6650	
POINT	103	- <u>Š</u>	43 43	1.0475	-0.6067	<u>-3</u> _	5550 5550	
JPOINT	104			1 1560 1 2054	-0 3573	-3 -3	6550 6550	
JPÖINT JPÖINT	106 106	-5 '	43	4 3363	-0 1055 3 9639	-3	6254	
POINT	107	- <u>Š</u>	<u>i</u>	4 2327	3.6759	<u>-3</u> .	6379 6504	
POINT	108	-5	5	4 1404	3 3679 3 0468	-3 -3	6504 6630	
JPOINT JPOINT	109	-5 -5	ģ	3 9639	2 7056	- 3	6755	
POINT	111	- E	1 1	3 8776	7 7972	<u>-3</u> .	6990 7000	
POINT	112	-5	13	3 8775	1 7712	-3	7000	·
JPÖINT JPÖINT	113 114	- <u>5</u>	3	3 1634 3 1372	4 9506 4 6461	-3	6254 6379	
TAIDS	115	-š	5	3 1243	3 9934	ā.	6504 6630	
JPOINT	116	-5	7	3 . 1208 3 . 1273	3 9934 3 6404	-3 -3	6630 6755	
JPOINT JPOINT	117 118	-5	11	3 1436	3 2632	-3	6880	
JPOINT	119	-5	13	3 1250 3 0965	2 8994 2 5050	-3	7000 7000	
JPOINT JPOINT	120 121	-5 -5	15 17	3 0965 3 0571	2 5060 2 0 94 3	-3.	7000 7000	
UPOINT	122	٠.5	19	2 9876	1 6955	-3	7000	
JPOINT	123 124	-5	21 23 25	2 7938 2 7938	1 2993 0 8842	-3.	7000 6933	
JPOINT JPOINT	124	-5 -5	23 26	2 7938	0 8842 0 4009	-3	6933	
JPOINT	26	-5	25	7734	5 6010	- š	6254	
JPOINT	127	<u>-Š</u>	3	1 8276	5.2998 4.9869	<u>-3</u>	6254 6379 6504	
JPOINT JPOINT	128	-5 -5	5	1 9852	4 9869 4 6632	-3	6630	
JPOINT	125 126 127 128 129 130	- <u>š</u>	ģ	2 0800	4 3251	- 3	6755	
JPOINT JPOINT	131		113	2 4724	3 9340 3 4727	- <u>-3</u>	6880 7000	
JPOINT	133	-5	1	0 2561	5 8694	-3	6254	
JPOINT	134	- <u>š</u>	<u>3</u>	0.3931	5 5923	-3	6379	
JPOINT	135	-55	<u> </u>	9 5477 8 7100	5 3090 5 0182	3	6504 6630	
JPOINT	136	- 5	ģ	0.8842	4 7171	-3	6755	
JPOINT	138		11	1 0891	4 3982	- 3	6880	
JPOINT	139	-5	13	1 2752	4 0677 3 7697	- 3	7000 7000	

THPLP CA		Directo	ry SAM_DISK	FONG SSME	IMP	OUT]				22-NOV-88 06 48	Pag
OINT 141	-5	17	1 5995	3 3427	-3	7000					
DINI 142	- <u></u> -5		1 7394	2 9623 2 5854	<u></u>	7000 7000		 	 		
OINT 143	-5	21	1 8430	2.5854							
POINT 144	-5	23 25	1 9329 2 0008	2 2025 1 8247		6933 6833					
POINT 145	-5	27	2 0410	4852	-3.	6751					
OINT 146	-5	29	2.0713	1 1366		6679		 	 		
DINT 48	-5	31	2 0868	0.8020	- 3	6622				•	
POINT 149	-5	33	2.0969	0 4323	-3	6680					
PÕĪNT 150	-5	35	2 0680	0 4323 0 0000 8 0000	-3.	6650		 	 		
OINT 151	-5	39	1.8350	0 0000	-3	6550					
POINT 152	-5	41	1.4527	0.0000	-3.	6650				•	
POINT 153	-5	43	1 2100	0 0000	-3.	6650			1.0	* *	
POINT 155 POINT 156			5 2111	2 7129 3 9035		3925 3925		 	 		
POINT 156	-1	!	4 3907			3925					
PÕINT 157 PÕINT 158	- 1	1	3 2316 1 8508	4 9064 5 5759		3925					
POINT 159	- 1	- 1	0.3380	5 8653		3925					
POINT 160	- 1		5.0396	2 4557	-3	3925		 	 		
POINT 161	- 1	3	4.3617	3.5218	-3	3925					
POINT 162	- 1	ă	3 3006	4.5315	-3	3925					
POINT 163	- j	ž	2.0166	5 2308	-3	3925		 	 1.0	<u> </u>	
POINT 164	- 1	3	0.5983	5 5743	-3	3925		 			
POINT 165	- 1	Š	4.8716	2.1801	- 3	3925					
POINT 166	- 1	5	4 3232 3 3604	3 1298	-3.	3925					
POINT 167	-1	5_	3.3604	4 1464		3925_	 		 		
POINT 168	- 1	5	2 1791	4.8721	-3						
POINT 169	- 1	5	0.8458	5.2697	-3.	3925					
POINT 170	- 1	. 7	4.7009	1 8942	-3	3925					
POINT 171 POINT 172			4.2684	2 7327 3 7443		3925 3925		 	 		
POINT 172 POINT 173	-1	4	3 4157 2 3302	3 7443 4 5007	-3 -3	3925					
POINT 174	- 1	4	1 0914	4 9493	-3	3925					
POINT 175	- 1	á	4.5272	1.5928	-3	3925					
POINT 176	- 1	- 3	4 1718	2 3725	-3			 	 		
POINT 177	- 1	å	3.4484	3 3379		3925					
POINT 178	- 1	ă	2 4267	4 1405		3925					
POINT 179	- 1	ğ	1 3159	4 6153	-3	3925		 	 		
POINT 180	- 1	11	4 3535	1 2559 2 0564	-3	.3718					
POINT 181	- 1	11	4 0375	2 0564	-3	3718					
POINT 182	- 1	11	3.4431	2 9454		3718					
POINT 183			2.4684	3.7997	-3	3718		 ·	 		
POINT 184	- 1	11	1 5078	4 2728	-3	3718					
POINT 185	-1	13	4 1603	0 9295	-3	3512					
POINT 186	-1	13	3.8775	1 7712	-3						
POINT 187		13	3.4174	2.5482	-3	3512		 	 		
POINT 188 POINT 189	- 1	13	2.4724	3 4727 3 9160	-3	3512 3512					
	-1	13 15	1 6845 3 9365	3 9160 0 6011	- 3	3096					
POINT 190 POINT 191	- }		3 7360	1 3810	-3	3096					
POINT 192		15	3 3596	2 1378	-3	3096	D-48	 	 		
POINT 193		15	2.5441	3 0636		3096	D-40				
POINT 194		15	1 8408	3.5311		3096					
POINT 196		19	3 6946	0 2862	-3					•	
POINT 196	-1	19	3.5668	1 0048		2463	-	 	 		

22-NOV-88 08 48	IMP OUT	LOWG 22WE	ectory SAM_DISK	RY;1	MPLLR .C
	-3 2463 -3 2463	1 7346 2 6636	17 3 2746 17 2 5865 17 1 9688	7 -1	INT 19
	-3.2483	3 1304	17 2.5865 17 1.9688	} - {	3INT 19
	-3.1615 -3.1615	-0 0262 0 6307	19 3 4351 19 3 3768	0 -1 1 -1	INT 20 INT 20
	-3 1615	1 3276	19 3 1683	2 -1	HNT 28
	-3 1615	2 2346	19 2.6091	3 -1	HNT 28
	-3.1615 -3.0497	2 7346 -0 3034	19 2.0791 21 3.1605	4 -1	INT 20
	-3.0497	0.2572	21 3 1646 21 3 0366	<u> </u>	NT 28
	-3 0497 -3 0497	0.9306 1.8060	21 3.0356 21 2.6120	7 -1 8 -1	NT 20 NT 20 NT 20
	-3 0497	2 3153	21 2 1726	9 -1	11NT 20
	-2.9075 -2.9075	2 3153 -0 5726 -0 0893	23 2 9298 23 2 9298	9	HNT 21
	-2 90% -2 90% -2 90% -2 90% -2 90%	0 6116	23 2 8659	2 -1	SINT 21
	-2.9075 -2.9075	1 3872	23 2.5812	3 -1	DINT 21
	-2.9075 -2.7329	-0 8284	23 2 8739 23 2 8659 23 2 8659 23 2 5812 23 2 2307 25 2 6773 25 2 6773 25 2 6781 26 2 2588 27 2 3067	(:1	SINT 21
	-2 7329	-0 4060	25 2 6773	6 -1	DINT 21
	-2.7329 -2.7329	0 4009 0 9870	25 2 6781		DÎNT 21 DÎNT 21
	-2 7329 -2 7329 -2 7329 -2 5389	7 4968	25 2 5216 25 2 2568	9 -1	IINT 21
	.7 5780	-1.0249	27 2 3067	0 -1)INT 22
	-2 5389 -2 5389	-0 6850 0 0613	27 2 4294 27 2 5234	1 -1	DINT 22 DINT 22
	-2 5389 -2 5389 -2 5389 -2 5389 -2 3233	0.6215	27 2.4464	3 -1	JINT 22
	-2.5389	1.1235 -1.2256	27 2 2604 29 2 0199		DINT 22 DINT 22
	• 2 3233	-0.9263	29 2 1734	6 -1	DINT 22
	-2 3233	-0 9263 -0 2448	29 2 1734	7 -1	21NT 22
	-2 3233 -2 3233	0 2845 0 7727	29 2 3454 29 2 2327	18 -1 19 -1	DINT 22 DINT 22
	-2 0833	-1.4062	31 1.7380	<u> - i </u>	1 1 23 1 1 23
	-2 0833	-1 1523 -0 5366	31 1 9158 31 2 1703	11 -1	DINT 23 DINT 23
	-2 0833 -2 0833	-0 0400	31 2 2363	13 - 1	TNT 23
	-2.0833	0.4323	31 2 1934 33 1 4229	4 1	DINT 23
	- 1 8265 - 1 8265	-1 5998 -1 3463	33 1 4229 33 1 6647	15 - 1 16 - 1	DINT 23
	-1.8265	-0 7960	33 1 9875	7 -1	DINT 23
	-1.8265 -1.8265	-0.3336 0 1199	33 2 1376 33 2 1376 35 1 0501 36 1 4071 36 1 7920 36 1 9777	18 - 1	INT 23
	-1.5599	-1 7838	35 2 1376	10 -1	DINT 24
	-1 5599	-1 5182 -1 0362	36 1 4071	i <u>i</u> -1	DINT 24
	-1.5599 -1.5599	-1.0362 -0.6112	35 1 7929 36 1 9777	3 -1	SINT 34
	-1 5599	-0 1804	35 2 0621	14 -1	DINT 24
	-1 2650 -1 2650	-1 5813	39 0.9309		DINT 24
	-1.2650	-1 3458 -0 9185	39 1 2474 39 1 5886	 	OINT 3
	-1.2650	-0 5418	39 1 7532	18 1	ÕINT 24
	-1 2660 -1 2650	-0 1599 -1 2519	39 1 8280 41 0 7370	19 1	OINT 24
	-1 2650 -1 2650	-1.2519 -1.0655	41 0 7370 41 8 9875	Y -1	SINT 35

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IMPLLA	CRY;1		Director	-	FONG SSME	IMP	OUT]	22-40V-88 06 44	Pi
OINT OINT	252 253	- 1 - 1	41	1 2576 1 3880	-0 7272 -0 4290	-1	2650		
dint -	254		41	1 4472	-0 1266		2650		
ŎĬŇŤ	255	- i	43	0 6138	-1.0427	- i	4950	•	
ă înt	256	- 1	43	0 8226	-0 8874	- 1			
CINT	257	- 1	43	1 0475 1560 1 2064	-0 6057 -0 3673	-1	4960		
DINT	258	- 1	43	1.1560	-0 3573	- 1	4950		
ŎĬŃŤ	259	- 1	43	1 2064	-0 1066	- 1			
	260	- 1	1	4 3363	3 9639		3925		
<u>DINT</u>	261			4 2327	3 6759 3 3679		3925 3925	<u> </u>	
OINT OINT	262 263	- 1 - 1	ş	4 0508	3 0458	.3	3925		
DINT	264	- ;	á	3 9639	2.7056	-3	3926		
ŎĨŇĬ	264 265	i .	11	3 9139	2 2829	-3	.3718		
DINT	266	-1	13	3.8776	7 2829		3512		
	267	- 1	1	3.1634	4 9506	- 3	3925		
OINT	268	- 1	3	3 1372	4 . 646 1	-3	3925		
<u>QINI </u>	269			3 1243	4 3271	<u> 3</u>	3925		
OINT	270	- 1	7	3 1208	3.9934	-3	JY20	•	
<u> ŢŅŢ</u>	271	-1	. 9	3 1273	3 6404 3 2632	- 3	3925		
OINT DINT	272 273	- 3	11 13	3 1436 3 1260	J 2032 2 2004	-3	3612		
DINT	274		15	3 0955	2 5050	- 3	3096		
ŎĨŇŤ	275	- 1	17	3.0571	2 0943		2463		
ŎĨŇŤ	276	- 1	10	2 9876	1.6955	-3	1615		
<u>OINT</u>	277	-1	21	2.8970	1.2993	3	9075		
DINT	278	-1	21 23 25	2 8970 2 7938 2 6781	0 8842	-3	. 9075		
DINT	279	- 1	25	2.6781	0.4009	-3	7329		
THICH	280	-1	1	1.7734	5 8010	-3	3925		
POINT	281 282	- :}-		1 9017	5 2998 4 9869	-3	3925		
POINT	283	- 1	5	9852	4 6632	-3	3036		
DINT	284	- 1	á	2 0800	4 3251	- 3	3925 3925		
TAÎNT_	285	- i	11	2 2481	2 9240	-3	.3718		
TNIO	286	-1	13	2.4724	3 4727	-3	.3612		
POINT	287 288	- 1	1	0 2561 0 3931	5 8694	-3	3926 3925		
THIO	288	- 1	3	0.3931	5 5923	-3	3925		
<u> Sivî</u>	289 290	 1-		0 5477 0 7100	5 3090 5 0182	-3	3925		—
POINT	290 291	-1	6	0 8842	4 7171	-3	3925		
TAIG	292	- 1	11	1 0891	4 3982	- 3	3718	•	
MINT	293	- 1		1 . 2752	4.0677	-3	3512		
DINT	294	- 1	13	1 4476	4 0677 3 7097	-3	3096		
ÒINT	295	- 1	17	1 5995	3 3427	-3	2463		
POINT	296	- 1	19	1.7394	2 9623		1615		
INIO	297 298		21	1.8430	2 2025	-3	90%		
THIO	298	- 1	21 23 25 27	1 9329	2 2025	- 2	9075		
THIC	299	-1	25	2 0008 2 0410	1 8247	- 2	7329		
TAID	300	- 1	27	2 0410	1 4852	- 2	7329 5389 3233 0833		
THIS:	301 302		29 31	2 0868	0 8020	:4	- 1844 -		
TATO	303	- 1	33	2.0969	0 4323	- 1	2265	D-49	
POINT	304	- 1	33 36	2.0680	0 0000	- 1	8266 5599	w == -	
PÕÎNT	305	<u> </u>	39	1 8360	8-8888	- 1	2850		
POINT	306	-1	41	1.4527	0 0000	- 1	4950		

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MPLLR CRY;1			FONG SSME	-		22-N	OV-88 06 48 Pag
INT 307 -1	43 35 35	1 2100	0 0000 -1.7451	-1 4960 -1 2660 -1 2660 -1 2660			
INT 308	35	1.0273	-1 4852	-1 2650			
INT 310 1	35 36 35 35	1 7530	-1 0136	-1 2650			4
INT 312	35	1 9347 2 0173	-0 5979 -0 1765	-1 2650 -1 2650			
INT 312	35	2 0173 2 0250 0 0000	0.0000	-1 2650			
INT 314 9	13	0.0000	1 8350 1 4527	-1 4950 -1 4960			
INT 316	15	8 8888	1 2 100 2 100	-1.2650			
INT 317	15 21	0 0000	1 2100	-1 2650			
INT 319 3	1 21	0 0000	0 8606	-0 1950 -0 1950			
11NT 320 1NT 321	23 23 15	8-8888	0.8505	8 8888		·	
INT 322	1 15	0 0000	0 5900 0 5900	-1 2650			
INT 323 1	ğ	0 0000	0.5900	-3.6550			
INT 324 INT 325		8-8888	0.5900 0.9015	-5.4150 -5.4150			
INT 326 3	3	0 0000	0 9015	-5 2250 -5 2250			
INT 327	3	0 0000	1.3600	-5 2250 -3.6650			,
INT 328		8-8888	1.3600	-3.6650 -3.6650			
IINT 330 -1		0 9309	-1 5813	-1 4960			1
INT 332 -		1 2474 1.5886	-1 3458 -0.9185	-1 4960 -1 4960			
INT 333 -1	39	1.7532	-0 5418	- 1 4950			
DINT 334 -1 DINT 335 -1		1 8280 1 8350	-0 1599 0 0000	-1 4950 -1 4950			:
INT 336 F	7						
INT 455 -3 INT 460 -3							
INT 465 -3	5						
HNT 470 -3			····				
)INT 480 -3	11						
DINT 485 -3 DINT 490 -3	13						
INT 495 -3	15						
)INT 500 -3	19						
INT 505 -3 INT 510 -3	21						
INT 515 -3	23 25						
)ÎNT 520 -3)ÎNT 525 -3							
11NT 530 -2	3 1				·		
INT 535 -3							
INT 608 1	37						
INT 1001		5.3103 4.5512	2 5133 3 7151	-2.8492 -2.8492			
INT 1002 1	1	4 5512 3 4364	3 7151 4 7659	-2.8492 -2.8492			
ÎNT 1004 1	•	2 0839	5 4930	-2 8492			
INT 1005	3	0.5921 5.2155	5.8451 2.2516	-2.8492 -2.8369			
.1141 1000		5 2155	2 25 10	~ 2 630W			

IMPLLE CRY;1	Directory SAM_DIS	K [FONG SSME	.IMP.C	UT]	22-	NOV-88 06 48	Pla
POINT 1007 POINT 1008 POINT 1009	1 3 4 5873 1 3 3 5658	3 3042 4 4222	-2 8 -2 8	349			
POINT 1009	3 2 3206	5.1562	- 0	340			_
POINT 1010 POINT 1011 POINT 1012	1 3 0 8770	5.6127	-22	369			
POINT 1011	1 5 5 1116	1 9940	-2.8				
POINT 1012	1 5 4 5943 1 5 3 6586	2.8983	-2.8	164			
POINT 1013 POINT 1014	5 2 5297	4 0889	- 2	214			
POINT 1015	1 5 1 1240	5 3704	22.6	214			
POINT 1016 POINT 1017	1 7 5 0017	1.7320	- 2 8	เด็วรี	·		
POINT 1017	1 7 4 5816	2 4834	202222222222222222222222222222222222222	930			
POINT 1018 POINT 1019 POINT 1920	1 2 3 7392	3 7463	-2.8	023			
POINT 1019	7 2 7261 1 7 1 3652	4 44 15	-2 7	930			
POINT 1021	9 4 8855	5 1140	- 7 1	707			
POINT 1022	9 4 5054	2 1484	-5-5	627			
POINT 1023	1 9 3 7947	3 4072	-5	าวีลี <i>ว</i> ่			
POINT 1024	1 9 2.8276	4.1132	2.5	627			
POINT 1025	9 1 5827	4 8481	-2.7	787			
POINT 1026	1 11 4 7638	1.1798	-2.7	484			
POINT 1027 POINT 1028	1 11 4 4072 1 11 3 8185	1 8330 3 0828	-2.7	217			
POÍNT 1028 POÍNT 1029	2 9003	3 7910	-27	484		···	
POINT 1030	1 1 1 7655	4.5791	2 2	217			
POINT 1031	1 13 4 6340	0 8811	-5 5	ก็ดีก็			
POINT 1032	1 13 4 2742	1 5833	-2 6	672			
POINT 1033	1 13 3.8324	2 7501		090		· · · · · · · · · · · · · · · · · · ·	
POINT 1034 POINT 1035	1 13 2.9099	3.5082	-2.6	672			
BOTHE INC	1 13 1 9438 1 15 4 5141	4 2979	-2.7	090			
DOTHT (000	1 15 4 5141	0 6312		872			
POINT 1038	1 15 3 8338	2.4852	-2.5	13 / 1 1670			
POINT 1039	1 15 2 9643	2 4652 3 3384	-2 6	371			
POINT 1038 POINT 1039 POINT 1040	1 15 2 0879	4.0516	-2 6	1672			
POINT 1041 POINT 1042	1 17 4 3333	0.2993	-2	997			_
POINT 1042	1 17 4.1686	1 2204	-2 5	997			:
POINT 1043 POINT 1044	1 17 3 8220	2.0639	-2	997			i
DOINT 104E	1 17 3 0000	3 1412 3 6990		997			
POINT 1046 POINT 1047 POINT 1048 POINT 1049 POINT 1050	1 19 4 1619	0 0034	-2 5 -2 5	30 1	•		- 1
POINT 1047	1 19 4 0646	0 8947	-222	301			1
POINT 1048	1 19 3 7964	1.7077		301			1
PUINT 1049	1 19 3 0727	2 8071	-2.5	301			
POINT 1050	1 19 2 4346	3 3756	-2.5	301	•		- 1
POINT 1061 POINT 1062 POINT 1063	1 21 3 9716	-0 3326 0 5257	-2.4	480			- 1
POINT 1063		1.3336	- : 3 4	460			_
POINT 1054 POINT 1055	1 21 3 7557 1 21 3 1585	2 4306	-2.4	480			- !
POINT 1054 POINT 1055	1 21 2.5832	3 0350	-24	490			i
POINT 1066 POINT 1067	1 23 3.7591	-0 B417	-2.3	571			1
POINT 1067	1 23 3 8093	0.1782	-2.3	671 D-50			
PÕINT 1068 PÕINT 1069	1 23 3 6879	0 9706 2 0690	-2.3	571			i
POINT 1060	21 2 5832 1 23 3 7591 1 23 3 8093 1 23 3 6879 1 23 3 2099 23 2 7274	2 0690 2 6864	-233	571			- 1
POINT 1061	25 3 4454	-1 0539	-2 2	<u> </u>			- 1

Directory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 48
26 3 5912 -0 2916 -2 2086 26 3 543 0 6478 -2 2086 26 3 2659 1 5431 -2 2086 26 2 8993 2 1390 -2 2086 27 3 2662 1 2796 -2 1286	
26 3.5443 0.6478 -2.2085 26 3.2659 1.5431 -2.2085	
25 2 8993 2 1390 -2 2085	
27 3 2562 -1 2796 -2 1285	
27 3 4800 8 3805 2 1285	
27 3 2 6 81 1 2489 -2 1285	
27 2.9861 1.8655 -2.1286	
29 2 3 2213 -0 3417 -1 3361	
29 3 2213 -0 9417 -1 998 29 3 3553 -0 0759 -1 9981	
29 3 2806 0 7951 -1 9981 29 3 0470 1 4069 -1 9981	
29 3.0470 1.4069 -1.9361 31 2.5665 -1.9372 -1.8420	······································
31 2 9502 -1.3364 -1 8420	
31 3.1955 -0.5273 -1.8420	
<u>31 3.2231</u> 0.3177 -1.8420	
31 3 1079 0 9113 - 8420	,
33 2 2078 -2 2748 -1 6536 33 2 6817 -1 6903 -1 6536	
33	
33 3 0254 -0 3466 -1 6596 33 3 1967 -0 1443 -1 6596	······································
33 3 1218 0 5504 -1 6596	
33 3 1218 0 5504 -1 6536 35 2 2078 -2 2748 -1 4650	
35 2 6817 -1 6903 -1 4650 35 3 0254 -0 9466 -1 4650	
35 2.6817 -1.6903 -1.4650 35 3.0254 -0.9466 -1.4650	
35 3 1667 -0 1443 -1 4650	
35 3 1218 0 5504 -1 4650 39 2 7180 -1 8270 -1 3650	•
39 2 7180 -1 8270 -1 3650 39 3 0462 -1 2025 -1 3650	· · · · · · · · · · · · · · · · · · ·
39 3 2537 -0 3731 -1 3650	
39 3 2394 0 4817 -1 3650	
39 3.0850 1.0992 -1.3650	
0 2 4101 -2 1028 -1 4006	
0 2.8045 -1.5379 -1.4006 0 3.1070 -0.7596 -1.4006	
	· *
0 3 1240 0 6866 -1 4006	
1 4 4713 3 8110 -2 8492	
3 4 4476 3 4899 -2 8349	•
5 4 4096 3 1774 -2 8164 7 4 3710 2 8376 -2 7930	
9 4 3296 2 4837 -2 7627 11 4 2864 2 1001 -2 7017	
13 4 2742 1 5833 - 2 6672 15 4 2742 1 5833 - 2 6672	
1 3 3335 4 8377 -2 8492	
3 3 3909 4 5577 -2 8369	
<u>5 3 4298 4 2826 -2 8214</u>	
7 3 4656 4 0008 -2 8023	
9 3 4993 3 7099 -2 7787	
11 3 5358 3 4034 -2 7484 13 3.5727 3 0801 -2 7090	
13 3 5727 3 0801 -2 7080 15 3 5936 2 8038 -2 6672	
0 3 3500 2 6036 -2.00/2	

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IMPLLE CRY,1	Director	y SAM_DISK	[FONG SSME	IMP OUT]	22-NOV-88 06 41	8 Pe
POINT 1117 POINT 1118	1 17	3 6032 3 6026	2 4257 2 0839	-2 5997 -2 5301		
POINT 1119 POINT 1120	1 21	3 6026 3 6013 3 5768	2 0839 1 7072 1 3225	-2.4480		
PÕĪNT 1121	23 25	3.5443	0 6478	-2 3571 -2 2085		1
POINT 1122 POINT 1123	1 3	1 9805 2 1068	5.5311 5.2462	-2 8492 -2 8349		
POINT 1124 POINT 1125	1 5	2 2326 2 3666	4 9521 4 6430	-2 8164 -2 7930		
POINT 1126	<u>i ģ</u> 1 11	2 5077	4.3157	-2 7627		
PÕINT 1128	1 13	2 9099	3 9619 3 5082	-2 7217 -2 6872		
POINT 1129 POINT 1130	1 15	2.9099 0.4817	3 5083 5 8552	-2.6672 -2.8492 -2.8369		
POINT 1131 POINT 1132	1 3	0 6578 0 8290	5 6425 5 4238	-2 8369		
POINT 1133 POINT 1134	1 7	1 0009	5.1976	-2 8214 -2 8023 -2 7787		
201NT 1135	1 11	1 1755 1 3603 1 5640	4.9626 4.7153	-2.7484		
POINT 1136 POINT 1137	1 13 1 15	1.5540 1.7104	4 4537 4 2249	-2.7090 -2.8872		
POINT 1138	1 17	2 0780	3.9024	-2 6672 -2 5997		
PÕĪNT 1140	1 21	2 2738	3 6060 3 2732	-2 5301 -2 4480		
POINT 1141 POINT 1142	21 23 25 27	2 4353 2 6354	2 9346 2 4568	-2 3571 -2 2085		
OINT 1143	1 27	2.7363	2 1802	-2.1285		
POINT 1145	1 31	2 8666 2 9764	7455 2792	-1.9961 -1.8420		
POINT 1146	33	3.0843	0 8116 0 8116	-1.6596 -1.4850		
POINT 1148 POINT 1149	1 36 1 39 0 0	2 9413	1.4404	-1 3660		
POINT 1150	5 1	5.3104	1.0358 2.5130	-1 4006 -2 7190		
POINT 1151 POINT 1152	5 1 5	4 5512 3 4354	3 7151 4 7659	-2 7190 -2 7190	• ,	
PÕINT 1153 PÕINT 1154	5 1	2 0839 0 5821	5.4930 5.8451	-2 7100		
POINT 1155	5 3	5.1888	2.1845	-2 7028		
POINT 1156 POINT 1157	5 3 5 3	4 5895 3 5937	3 2605 4 3336	-2.7028 -2.7028		
POINT 1158 POINT 1159	5 <u>3</u> 5 3	2 3444	5 1184 5 5498	-2 7028 -2 7028		
PÔÍNT 1160	5 Š	0 9455 5 0604	1 8704	-2.6822		
POINT 1162	5 5 5 5	4 5959 3 6995	2.8256 3.9268	-2.6822 -2.6822		
	5 5 5 5	3 6996 2 5673 1 2405	3 9268 4 7450 5 2504	-2 6822		
PÓINT 1165	5 7	4 9284	1 5623	-2 6822 -2 6670 -2 6670		
POINT 1166 POINT 1167	5 7	4 5695 3 7677	2.4187 3.5404			
PÕINT 1168	Š 7	2.7479	4 3794	-2.6670 D-3.		
POINT 1170 POINT 1171	5 9 5 9	1 5160 4 7946 4 4909	4 9429 1 2521 2 0946	-2.6570 -2.6248		

PLLR CRY; 1		ry SAM_DISK	FLOWER 22WE	1001	22-NOV-88 06 48	Pla
11 1172	5 9	3 8 155	3 1619	-2.6248		
 	} 	7-8419	4 0594	-2.6248		
1 1175	5 11	4.6582	0 9351	-2 6248 -2 5834		
17 1176	5 11	4 3962	1.8021	-2 5R34		
I 1177	5 11	3 8305 2 9061	2 8 109	-2 5834	·	
1178	5 11	2 9061	3 7587	-2 5834		
IT 1179 IT 1180	5 11	1 9123 4 5141	4 3493 0 6312	-2 5834		
T 1181	5 13	4 2742		-2.5317		
IT 1182	5 13 5 13	4 2742 3 8338	1.5833 2.4652	-2.5317 -2.5317 -2.5317		
T 1183	5 13	2.9099	3.5082	-2 5317		
T 1184	5 13	2 0879	4 0616	-2 5317		
1186	5 15	4 3869	0.3934	-2.4830 -2.4830		
T 1187	5 15	3 8273	2 1798	2 4830		
IT 1188	5 15	2.9762	3 2468	-2 4830		
I 1189	5 15	2.2236	3 8020 0 1465	-2 4830 -2 4248		
IT 1190 IT 1191	5 17	4 2443	0 1465	-2 4248		
1 1192	5 17	4 1144 3 8094	1 0521	-2.4248 -2.4248		
IT 1193		3.0371	2 9683	-2.4248		
11194	5 17	3.0371 2.3614	2 9683 3 5297	-2 4248		;
IT 1195	5 19	4 0845	-0.1361	-2 3525 -2 3525		
IT 1196 IT 1197	5 19	4 0189 3.7812	0 7418	-2.3525		
1 198	5 19 5 19	3 1896	1.5507 2.6519	-2 3525 -2 3525 -2 3525		
1199	5 19	2 4985	3 2341	-2 3525		
T 1200	5 21	3 8971	-0 4481	-2.2704		
T 1201 T 1202	5 21 5 21 5 21	3 9027 3 7346	9.3969 7.2007	-2 2704 -2 2704		
T 1203	5 21	3 1814	2.2951	-2 2704 -2 2704	:	
T 1204	5 21	2 6348	2 9063	2 2704	•	
I 1205	5 23 5 23	3 6206 3 7620	-8 7330 8 6744	-2.1655		
1 1206	5 23	3 7620		-2 1655		
IT 1207 IT 1208	5 23 5 23	3 6616 3 2208	0 8666 1 9454	-2 1655 -2 1655		- 1
T 1209	5 23	2.7724	2.5440	-2 1665		
T 1210	5 25	3 4454	-1.0540	-2.0452		
T 1211	5 25	3.5912	-0 2916	-2.0452		i
T 1212 T 1213	§ 25	3 5443	0 6478	-2 0452		- 1
+ 1214	5 23 5 25 5 25 5 25 5 25 5 25	3.2559 2.8993	1 5430 2 1390	-2.0452 -2.0452		
1 1215	5 1	4 4855	3 7941	-2 7190		i
IT 1216	5 3	4 4436	3 4568	- 2 7028		
I 1217	5 5	4 4032 4 3636	3.1174	-2 6822 -2 6570		
T 1218 T 1219	5 9	4 3636 4 3219	2 7729 2 4243	-2.6570 -2.6248		
T 1220	5 11	4 2826	2 4243 2 0575	-2 5834		
IT 1991	<u>5</u> 13	4.2742	1.5833	-2.5317		- 1
T 1222	5	4 . 2742 3 3569	4 8215	-2.5317 -2.7190		
T 1223	5 3	3 4014	4 4862	-2.7028	•	
IT 1224 IT 1225	2 5	3 4472	4 1500 3 8172	-2.6822		
T 1225 1 1226	5 6	3.4870 3.5262	3 4816	-2 6570 -2 6248		

MPLLR CRY,1	Directory SA	-	[FONG SSME.	IMP	OUT]	22-NOV-88 06 48	Page
POINT 1227 POINT 1228	5 11 3	5666 5936 6025	3 1389 2 8038	- 2 .	5834 5317 4830		
POINT 1229	5 13 3 5 15 3	8026	2.5341	- 4	4936		
POINT 1230	5 17 3	6027	2 2485	- 5	4248 3525 2704 1655		
POINT 1230 POINT 1231	5 19 3	6042	2 2485 1 9265 1 5739	- 2	3525		
POINT 1232	5 21 3	5 93 2	1.5739	-2	2704		
POINT 1233	5 23 3	5689	1 1921	- 2 .	1655		
POINT 1234 POINT 1236	5 25 3	5443	0.6478	-2.	0452		
POINT 1236		9321 1198	5 5482 5 2155	- 2	7190		
はつり しいきょううつ	5 5 2	2546	4.9013		0452 7190 7028 6822 6570 6248 5834		
POINT 1238 POINT 1239 POINT 1240	5 7 3	3926	4 5832	-5	8570		
POINT 1239	5 7 2 5 9 2	3926 5307	4 5832 4 2604 3 9231	-2:	6248		
POINI 1240	5112	6801	3 9231	-2	5834		
POINT 1241 POINT 1242	5 13 2	9099	3 5082				
POINT 1243	5 1 0	5120 7025	5 8526	-2.	7190		
DOINT 1944	5 5 6	9103	5 5858 5 3176	- 2	7028		
POINT 1245		1112	5.0493		7190 7028 6822 6670		
POINT 1245 POINT 1246 POINT 1247	591	313Õ	4 7783	- 2	6248 5834 5317		
POINT 1247	5 11 1	5193 7104	4 5017	-Ž	5834		
POINT 1248	5 13 1	7104	4.2249	2_	5317	·	
POINT 1249 POINT 1250		8628	3 9969	-2.	4830		
POINT 1250		0137 1801	3 7166 3 4692	- 2	4248		
POINT 1252		3388	3.1510	-3.	3525		,
POINT 1249 POINT 1250 POINT 1250 POINT 1251 POINT 1252 POINT 1253 POINT 1254 POINT 1256 POINT 1256 POINT 1257	5 23 2	4801	2 8297	-3	4830 4248 3525 2704 1655		
POINT 1251 POINT 1252 POINT 1253 POINT 1253 POINT 1256 POINT 1256	5 25 2.	6355	2.4568	-2	0452		- 1
POINT 1255	<u>7</u> 25 3.	5436	2 4568 -0 9258	-2	0160		
POINT 1256	7 25 3	5436 6506 5725	-0.1454 0.8067	2.	0452 0160 0160 0160		i
POINT 1258	7 25 3	5726	0.8067	-2.	0160		-
POINT 1259	7 25 2	2420 8562	1 7039 2 2926	~2.	0160		
DOTAT KÖĞÖ	7 25 2	5735	2 2926 2 6059	- 3	0160		
POINT 1261	9 25 3	6729	-0.7584	-3	0160		
POINT 1262 POINT 1263	9 25 3	7497	0 0478	-2.	0160		
POINT 1263	9 25 3	6096	1.0166	- 2	0160	· · · · · · · · · · · · · · · · · · ·	1
POINT 1264	9 25 3	2234	1_9162	-2	0160		
POINT 1265 POINT 1266	9 25 2	7836	2 5128	-2.	0160 0160 0160 0160 0160 0160 0160		-
POINT 1266 POINT 1267	5	4915 6729	2 8027 -0 7564	- 4	9710		
DOINT (SEC	9 27 3	7497	0.0478	- 1	9710		
POINT 1269	9 27 3	6096	1 0166	-1	9710		
POINT 1269 POINT 1270 POINT 1271 POINT 1272 POINT 1273	9 27 3.	2234	1 9162	- 1	9710 9710		- 1
POINT 1271	9 27 2	7836	2 5122	- 1	9710 9710		1
POINT 12/2	y 27 2	4915	2 8027	-1-	9710		_:
POINT 12/3	9 27 2 7 27 3 7 27 3 7 27 3 7 27 3 7 27 3	5436 6596	2 8027 -0 9258 -0 1454 0 8067	- !	9710		
POINT 1274 POINT 1275	7 27 3. 7 27 3.	5725	0.1464	- 1	9710		i
POINT 1276	7 27 3	2420	1 7039	- 1	9710		
POINT 1276	7 27 2	2420 8562	0 8067 1 7039 2 2926	-1	9710 9710 9710	D-52	
POINT 1278	7 27 2.	5735	2.6069	- 1	9710	- 32	
POINT 1279	5 29 3	1069	-1 4376	- 1	9710 8260 8260 8260		1
POINT 1280 POINT 1281	5 29 3 5 29 3	3427 4200	-0.7388	-1.	8260		
FU101 1281	D 29 3	4200	0.1515	- 1 .	8260		

APLLE CRY;1	Director	y SAM_DISK	FONG SSME	IMP.	OUT]		22-NOV-88 06 48
INT 1282	29	3 2643 3 0108 2 7984	1 0315	-1.	8260 8260 8260		
NT 1283	29	3 4383	1 6294	-:}	842X	 	
INT 1285	7 20	3 3282	-1 1988	-1	8260		
INT 1286	7 29 7 29	3 5077	-0.4582	-1.	8260		
ÎNT 1287 INT 1288	7 29 7 29 7 29 7 29	3 5068 3 2668	9.4653	1.	8260 8260	 	
INT 1288	7 29	3.2668	1 3571	- [8260		
INT 1289	7 29	2 9422 2 7023	1.9640	- 1	8260 8260		
INT 1290 INT 1291	2 29		2.2829	- 1	8260		
NY 1252	28	3 6173	-1 0054 -0 2362	-1	8260	 	
INT 1293	29	3 5552	0 7081	- 1	8260		
INT 1294	29	3 5552 3 2508	1 6041	- 1	8260		
	29 - 28 - 28	2.8839	2 5135 -		8260 8280	 	
INT 1298	29	2 6121	2 5135		8260		
	9 31 8 31	3 4828 3 6173	-1 0064 -0 2362	- }	7810 7810		•
INT 1298 INT 1299		3 5553	0.7081	- 1	7810		
IN+ 1300	31	3 2508	7:6041		7810	 	
ÎNT 1301	9 31	2.8839	2.1962		7810		
INT 1302	9 31	2.6121	2.5136		7810		
INI 1303	7 31	3.3282	-1.1988 -0.4582	1	7819	 	
INT 1304	7 31	3 5077	-0.4582	- 1	7810		
INT 1305 INT 1306	7 31 7 31	3 5068 3 2668	0.4653 1.3571	-1	7810 7810		
	7 31	2 0422	9640				
INT 1307	1 31	2 7023	1 9640 2 2829		7818		
INT 1309	5 33	2.7844	-1 7665	- 1	6360		
INT 1310	5 33 5 33	3.0981	-1 1292	- 1	6360		
INI 1311	5 33 5 33 5 33	3 2848	-0.2888 0.5712		6360 6360	 	
INT 1312	5 33	3 2477 3 0734	0.5712 1.1949	-1	.6360 .6360		
INT 1313 INT 1314	5 33	2 9220	1.5281	- 1	6360		
INT 1315	7 <u>33</u>	3 0830	1.4630	- 1	6360	 	
INT 1316	7 <u>33</u> 7 33	3 0830 3 3248	-1.4630 -0.7688	- 1	6360 6360		
INT 1317	7 33	3 4 1 0 5	0.1180	- 1	6360		
INT 1318	7 33	3 2637 3 0 171	0 9 966	-1	.6360		
INT 1319 INT 1320	4 33	2 8085	1 5045		6360 6360	 	
INT 1320	7 33 7 33 9 33	3 2588	-1.2768		6360		
INT 1322	9 33	3 4566	-0 5492	- 1	6360		
INT 1323	9 33 9 33	3 2681	0.3641	-1	6360	 	
INT 1324	9 33	3 2681	1 2527	- 1	6360		
INT 1325	9 33	2 9661	1.8555		6360		
ÎNT 1326 ÎNT 1327	y 33	2 7351	2 1838 -1 2768	- 1	6360 5910		
N+ 1328	9 33 9 35 9 35 9 35	3 2588 3 4666	-0 5492		5910	 	
INT 1329	9 35	3 4810	0 3641	- 1	5910		
INT 1330	9 35	3 2681	1.2527	- 1	5910		
INT 1331	9 35	2 7361	1 8555	- 1	5910	 	
	9 35	2 7351	2 1838		5910		
INT 1333	7 35	3 0830	-1 4630		.5910		
INT 1334	7 35 7 36 7 36 7 35 7 35	3 3248	-0 7688 0 1180	- :1	5910 E010		i.
ÎNT 1335 ÎNT 1336	4	3.4105 3.2637	0.1180 0.9966		5910 5910	 	
1141 1330		3 2007					

MPLLR CRY; 1	Directo	ry SAM_DISK	FONG SSME	IMP OUT]		The state of the s	22-NOV-88 06 48	p
INT 1337	7 35 7 35	3.0171	1 5945 1 9385	-1 5910 -1 5910		•		
	35	2 7844	- 1.7665	-1 5910 -1 5450				
INT 1339 INT 1340 INT 1341	35 35 35	3 0981 3 2848	-1 1292 -0 2888	-1 5450 -1 5450				
INT 1342	35	3 2477	0.5712	-1 5450 -1 5450		· · · · · · · · · · · · · · · · · · ·		
INT 1344	36	2.9220	1.5281	-1 5450				
INT 1346	5 37 5 37	2 7844 3 0981	-1 7665 -1 1292	-1 4500 -1 4500				
INT 1347	37 5 37 5 37 5 37	3 2848	-0 2888 0 5712	-1 4500 -1 4500 -1 4500				
INT 1349	5 37 5 37	3 2477 3 0734	1 1949	-1.4500				
INT 1350 !	5 37	2 9220 2 9936	1 5281 -1 5585	-1 4500 -1 4500				
INT 1352 INT 1353	7 37 7 37	3 2579 3 3750	-0 8813 -0 0080	-1.4500 -1.4500				
INT 1354	7 37	3 2621	0.8888	-1.4500				
INT 1355 INT 1356	7 37 7 37	3 0377 2 8465	1.4707	-1 4500 -1 4500			•	
INT 1357	7 39 7 39	2 9936 3 2679	-1 5585 -0 8813	-1.4060 -1.4060				
INT 1358 INT 1359	7 39	3 3750	-0 0080	-1.4050	· · . · . · . · . · . · . · . · . ·		. 	
ÎNT 1360 ÎNT 1361	7 39 7 39	3 2621 3 0377	0 8858 1 4707	- 1 .4050 - 1 .4050				
INT 1362	Ž 39	2.8465	1 8133	-1.4050		<u> </u>		
INT 1401 INT 1406	3 3							
INT 1416	3 5							
INT 1421	3 9							_
INT 1426 INT 1431	3 11 3 13							
IINT 1436	3 15 3 17							_
INT 1446	3 19					•		
INT 1451 INT 1456	3 21					•		
INT 1461	3 23 3 25 3 27							
	3 29					e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de		
INT 1476	3 31							
INT 1486	3 35					•		
DINT 1491 SYS 1.1.0.0 0.0.	3 39	0.0 1.0 1.0	0 0					
3		<u> </u>						_
H 1								
NES 179185 330 2	45 308 2401	1558-5 1 86	240:31 185	L	n 52			
NES 219296 331 2	46 309 2411	11568-5 2:87	241-32 186	ì	D-53			
5 1 AME 240 308 AME 155 240	LOW HUR							

* IMPLLR CRY;1	Directory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 48	Page 15
IUSOLID 0 0 1	DOEC A LINE		
USQL ID	PRES		
TUSOLID 470 175 1 \$0 0 TUSOLID 475 180 1 \$0 0 TUSOLID 480 185 1 \$0) PRËS - D HUB) PRËS - E HUB		
1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRES F HUB PRES G HUB PRES G HUB		_
TUSOLID 490 196 1 50 0 TUSOLID 496 200 1 50 0 TUSOLID 500 205 1 50 0	D PRES H HUB D PRES I HUB D PRES J HUB		
IJSOLID 506 210 1 50 0) PRES J HUB) PRES K HUB) PRES L HUB		-
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IJSOLID 525 230 4 50 0 IJSOLID 530 236 4 50 0 IJSOLID 536 240 4 50 0 IJSOLID 240 608 4 50 0	PRES 1 HUB PRES J HUB PRES J HUB PRES L HUB PRES L HUB PRES N HUB PRES N HUB PRES N HUB PRES N HUB PRES N HUB		
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KNAME O O 1 1 SIDE ONE	PRES S HUB : BOT :		
MESH 3 *MESH 2 MSYS 1 \$LINES 2T3285 186T156E		·	-
SLINES 273285 18671568			
SLINES 1067112 2667260	8-1 106		
1920[10 0 0 1	PRES S HUB	· 	
			_
MSYS 1 SLINES 1067112 3779286	331 246 309 241T191R-5 266T260R-1 106 97 241		
SLINES 112 266 IJGRID 1			
SLINES 319385 332 247 RULE 5 1 IJNAME 240 308 LC	331 246 309 241T191B-5 266T260B-1 106 87 241 310 242T157B-5 3:88 242,217 63		
	W HUB		
IJNAME 155 240 LC IJSOLID 001 IJSOLID 456 160 1 S0 C IJSOLID 460 165 1 S0 C IJSOLID 465 170 1 S0 C) PRES A HUB) PRES B HUB		
IJSOLID 465 170 1 SO C	O PRES C HUB O PRES C HUB O PRES C HUB O PRES C HUB		
IJSOLID 475 180 1 50 0) PRES E HUB) PRES F HUB		_
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TUSOL ID 455 770 1 SO C TUSOL ID 475 180 1 SO C TUSOL ID 475 180 1 SO C TUSOL ID 485 190 1 SO C TUSOL ID 485 190 1 SO C TUSOL ID 496 200 1 SO C TUSOL ID 500 205 1 SO C TUSOL ID 500 205 1 SO C TUSOL ID 500 205 1 SO C	PRES L HUB		_
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. IMPLLR CRY; 1	Directory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 48	Page 16
IJSOLID 520 225 1 S0 0		11 100 00 00 00	rage to
IJSQL ID 520 225 1 SO 0 IJSQL ID 526 236 1 SO 0 IJSQL ID 530 236 1 SO 0 IJSQL ID 535 240 1 SQ 0 IJSQL ID 240 608 1 SQ 0 IJSQL ID 240 608 1 SQ 0	PACE 0 MID		
IUSOL ID 240 608 1 50 0	PRES O MIR		
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SECOND IDENTICAL MODEL
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* IMPLLR CRY; 1 . Directory SAM_DISK [FONG SSME IMP OUT] NSET 10 COPY FREQ 0 0 NAME TORQ IPUT NSET 10 INSERT FREQ 0 0 NAME TORQ OPUT	22-NÖV-88 ÖG 48 Page 24
* IMPLLE CRY; 1 Directory SAM_DISK [FONG SSME IMP OUT] NSET 10 COPY FREQ 0 0 NAME TORQ IPUT NSET 10 INSERT FREQ 0 0 NAME TORQ OPUT NSET 10 DELETE NAME SIDE TWO NLIST 10 INSERT NSET 10 LET SIEN! * % IFL(NLST NV 0 10)	22-NOV-88 06 48 Page 24
* IMPLLE CRY: 1 Directory SAM_DISK [FONG SSME IMP OUT] NSET 10 COPY FREQ 0 0 NAME TORQ IPUT NSET 10 INSERT FREQ 0 0 NAME TORQ OPUT NSET 10 DELETE NAME SIDE TWO NLIST 10 INSERT NSET 10 LET SIFN! * % IFL(NLST NV 0 10) LET SIFN! * % IFL(NLST NV 0 10) LET SIFN! * % IFL(NLST NV 0 10) LET SIFN! * % IFL(NLST NV 0 10) LET SIFN! * % IFL(NLST NV 0 10) LET SIFN! * % IFL(NLST NV 0 10)	22-NÖV-88 ÖG 48 Page 24
NSET 10 COPY FREQ 0 0 NAME TORQ IPUT NSET 10 INSERT FREQ 0 0 NAME TORQ OPUT NSET 10 DELETE NAME SIDE TWO NLIST 10 INSERT NSET 10 LET 3 IFN1 = % IFL (NLST NV 0 10) LET 3 IFN1 = % IFL (NLST NV 0 10) LET 3 IFN1 = % IFL (SIRN1, 8 I) IFT 8N1 40 40 1	22-NOV-88 06 48 Page 20
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NSET 10 COPY FREQ 0 0 NAME TORQ IPUT NSET 10 INSERT FREQ 0 0 NAME TORQ OPUT NSET 10 DELETE NAME SIDE TWO NLIST 10 INSERT NSET 10 LET SIRN! * % IFL (ALLST NV 0 10) LET \$1RN! * % IFL (ALLST NV 0 10) LET \$1RN! * % IPC (ALLST NV 0 10) LET \$1RN! * % IPC (ALLST NV 0 10) LET \$1RN * % IPC (ALLST NV 0 10)	22-NOV-88 06 48 Page 24
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NSET 10 COPY FREQ 0 0 NAME TORQ IPUT NSET 10 INSERT FREQ 0 0 NAME TORQ OPUT NSET 10 INSERT FREQ 0 0 NAME TORQ OPUT NSET 10 INSERT FREQ 0 0 NAME TORQ OPUT NSET 10 INSERT FREQ 0 0 NAME TORQ OPUT NSET 10 INSERT FREQ 0 0 NAME TORQ OPUT NSET 10 INSERT NSET 10 NSET 10 INSERT NSET 10 NSET 10 INSERT NSET 10 NSET 10 INSERT NSET 10 NSET 10 INSERT NSET 10 NSET 10 INSERT NSET 10 NSET 10 INSERT NSET 10 NSET 10 INSERT NSET 10 NSET 10 INSERT NSET 10 NSET 10 INSERT NSET 10 NSET 10 INSERT NSET 10 NSET 10 INSERT NSET 10 NSET 10 INSERT NSET 10 NSET 10 INSERT NSET 10 NSET 10 INSERT NSET NSET 10 NSET 10 INSERT	22-NOV-88 06 48 Page 24
NSET 10 COPY FREQ 0 0 NAME TORQ IPUT NSET 10 INSERT FREQ 0 0 NAME TORQ OPUT NSET 10 INSERT NSET 10 LET SIEN' = %IFL(ALST NV 0 10) LET SIEN' = %IFL(ALST NV 0 10) LET SIEN' = %IFL(ALST NV 0 10) LET SIEN' = %IFL(ALST NV 0 10) LET SIEN' = %IFL(ALST NV 0 10) LET SI = 10	22-NOV-88 06 48 Page 24

Appendix E

MASS AND LOAD PARTICIPATION FACTOR
TABLES (OUTPUT)

1 Mass Modal I Mode Rumber F	Participa bal Mass: / requency	tion Factors X-direction (Y-direction (Z-direction (Global X Direction	1.5824E-02) 1.58248E-02) 1.58024E-02) icipation Facto Global Y Direction	Global Z Direction	/ Percent Global X Direction	of Total Mass Global Y Direction	Global Z Direction
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€ €	45.772	.639906E-0	9.053317E-0	.674374E-0	40.0	99.8	ris c
יפטי	75.830	1.812323E-Ø	1.391613E-Ø	4.671577E-0	.02	.01	. 00
~ α	94.405 03 052	.274686E-Ø 450199F-Ø	.249231E-0	.171209E-0	99.8	9 8	20.0
000	31.528	.710729E-0	2.684742E-0	9.439822E-0	4	. 55	. 63
നാ	27.925	5.768948E-0	.492029E-0	.268221E-Ø	21	.92	
n (n	45.897	.534926E-0	. 1496/1E-9 . 924617E-0	. 191133E-0 . 628634E-0	6.4	. 30	. 60
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DEGENERATE RC. MODEL

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Directory: [KP00L]	Device: DISK6	
PMPD03-LOAD, TAB; 2 PMPD1-LOAD, TAB; 2 PMPD2-LOAD, TAB; 2	16-DEC-1988 16:10 18-DEC-1988 16:10 16-DEC-1988 16:10	
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6	7894 4050 8093 0623 8831 5289	4.286766E+00 -6.570081E+00	0.055 -0.095	-0.311 0.013	-0.265 0.196		
- 8 - 10	8831.5289 9727.8254 9931.8538	4 529520E+00 -8 384382E-12	12 278 0 000	0 013 12 161 0 000 5 239 0 000 0 000 0 000	0 196 -0 043 0 000 -3 752 0 000 0 000		
11	9945.8979 10639.6981	-1.061946E-09 4.628318E-11 1.794239E-12 -3.934664E-11 -5.187921E-02	0.000 0.000	0.000 0.000	-3.732 0.000 0.000		
12	11784 3428 11827 3405 11834 4034 12675 8349	-3.934664E-11	8.888	8.000			
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18	13962 5732 14220 0474 14374 8945 14463 0410 14869 8609 14929 8547 15548 9861	-4 4060 6E+00 -6 484367E+00	-0 090 0 000 0 000 3 533 22 453 0 000	13.062 11.397 0.000	-0 001 0 000 0 000 -0 303 -0 303 2 503		
20 21 22	14453 0410 14463 6410	7 136882E+00	-16 911 0 067 0 000	-10.756 0.010	0.000 -1.415 0.015		·
22 23 24	14929 8547 15548 9861	7.450174E-11 -1.681477E+00	0.000 1.330	0.000	0,000 0.438		
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28 29 30	16987 4620 17838 0283	-1.901664E-09 -6.362290E-11	0.000	0.00 0	0.000		
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33	18512 4999 18966 2883	-2 374113E-11 -1 570923E+00	-0 622	-0.968	-1 180 0 000 1 298 0 000 -0 216 -0 000 0 000 -0 000 -0 000	<u> </u>	
33 34 35 36 37	18512 4899 18966 2883 18967 4768 19086 3451 19982 4040 20118 8672	-3.561241E-09 3.029586E-11. 4.509589E-00	0.000 0.000 7.798	2 580 0 000 0 000 -0 037 -0 042 0 000 0 000 0 000 0 000 0 583 0 543 0 543	0.000 0.000 1.113		
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41	20441 2134 20894 0888 21073 9388	-3.115813E-11 1.458784E-11 5.161083E+00	0.000 0.000 -6.163	0 000 0 000 2 020 0 000 0 000	0.000 0.000 -0.986		
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47 48	21770.8601	1 125958E+00	0.579	0.455 -8.183	0 131 0 138		16-DEC-88 16:
47 48 d Cas	21770.8601	1.125958E+00 9.568687E+00	0.579 0.417	-0.455 -8.183			16-DEC-88 16:
47 48	21770 .8601 21849 FROR 56 (27) Loss	1.125958E+00 9.588887E+00 d Model Particips Participation Factor	0.579	-0.455 -8.183			16-DEC-88 16:4
47 48 d Ces ode ber	21770 .8601 21849 FROR 56 (27) Loss	1.125958E+00 9.588887E+00 d Model Particips Participation Factor	0.578 0.817 tion Factors Physical Global X Direction X 1.0E+02	-0.455 -8.183 Load in Each & Globel Y Direction X 1.0E+02	Global 2 Direction X 1.0E+02		16-DEC-88 16:
47 48 d Cas ode 50 51 52	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globel in Slicetion X 1.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		16-DEC-88 16:
47 48 d Cas ode 50 51 52	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globel in Slicetion X 1.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		18-DEC-88 18:
47 48 d Ces 50 50 51 52 53 54 56 57 58	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globel in Slicetion X 1.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		18-DEC-88 18:
47 48 d Ces 50 50 51 52 53 54 56 57 58	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globel in Slicetion X 1.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		18-DEC-88 16:
47 48 d Ces 50 50 51 52 53 54 56 57 58	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globel in Slicetion X 1.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		18-DEC-88 18:
47 48 d Ces 50 50 51 52 53 54 56 57 58	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globel in Slicetion X 1.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		16-DEC-88 16:
47 48 60 60 60 60 60 60 60 60 60 60 60 60 60	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globel in Slicetion X 1.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		18-DEC-89 18:
47 48 d Cet 50 51 51 52 53 56 56 56 56 61 62 63 64 65 66 67	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globel in Slicetion X 1.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		18-DEC-88 18:
47 48 d Cet 50 51 51 52 53 56 56 56 56 61 62 63 64 65 66 67	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globel in Slicetion X 1.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		16-DEC-88 16:
47 48 d Cet 50 51 51 52 53 56 56 56 56 61 62 63 64 65 66 67	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globel in Slicetion X 1.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		18-DEC-88 18:
47 48 d Ces 49 551 552 567 568 569 67 772 773 776 777 776 7777	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globel in Slicetion X 1.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		16-DEC-88 16:
47 48 47 48 49 49 49 49 49 49 49 49 49 49 49 49 49	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globelly 11.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		16-DEC-88 18:
47 48 47 48 49 49 49 49 49 49 49 49 49 49 49 49 49	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globelly 11.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		18-DEC-88 18:
47 48 47 48 49 49 49 49 49 49 49 49 49 49 49 49 49	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globelly 11.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		16-DEC-88 16:
47 46 00 490 490 490 490 490 490 490 490 490	21770 8601 21849 5806 56 (27) Loss Frequency 21873 7909 22122 6863 22459 8346 22465 3742	1.125858E+00 9.58887E+00 9.58887E+00 d Modal Participa Factor 1.240774E-10 -5.82520E+00 -8.608302E-01 2.00058E-10	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globelly 11.06+02 0.000 8.214 -0.469 0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660		16-DEC-88 18:
47 46 Cate 450 555 555 555 555 555 555 555 555 555	21770 8601 21849 5806 21873 5806 10 27) Load Frequency 21873 8936 22459 5346 22459 5346 22459 5346 22459 5346 22456 9006 22456 9006 22456 9006 22456 9006 22456 9006 24563 8132 24573 2988 25213 9434 25411 5261 25416 2989 25213 9436 25213 9436 25213 9436 25213 9436 25213 9436 25213 9456 2625 9456 2735 9650 2785 96	1 125958E+00 9 568087E+00 Modal Participation Factor 1 2407261-10 - 8 606302E-01 - 8 606302E-01 - 8 606302E-01 - 8 606302E-01 - 9 606302E-01	0.579 0.672 tion Factors 	-0.455 -8.183 Load in Each & Globelly 11.06+02 0.000 8.214 -0.469 0.000	Stoke		16-DEC-88 18:
47 46 00 490 490 490 490 490 490 490 490 490	21770 .8601 21849 FROR 56 (27) Loss	1 125958E+00 9 568087E+00 Modal Participation Factor 1 2407261-10 - 8 606302E-01 - 8 606302E-01 - 8 606302E-01 - 8 606302E-01 - 9 606302E-01	0.578 0.817 tion Factors Physical Global X Direction X 1.0E+02	-0.455 -8.183 Load Inte Sech N Globe 100 Globe 100 -0.100 -0.000 -0.000 -1.683 -0.716 -0.716 -0.716 -0.716 -0.000	Global 2 Direction X 1.0E+02 0.000 0.405 0.660	11	16-DEC-88 16:

DISKS: [KPOOL]

* IMPOOS-LOAD TAB;2

16-DEC-88 16:11		L)	DISKE: [KPOC		-LOAD . TAB; 2	IMPDO:
	0.000	0.000	0.000	7.578151E-11 Model Perticipat	31453,1466	96 pad Car
	Mode Globel Z Direction X 1.0E+02	Load in Each Globel Y Direction X 1.0E+02	Physical Global X Direction X 1 0E+02	/- Participation Factor	Frequency	Mode moet
	0.000	0.000	0.000	-1 198362E-10 6.672447E-11	31666 . 4818	97
	0.000 0.000 0.158	0.000 -1.212	0. 00 0 -0.010	6.672447E-11 -9.181987E+00	31859.6627	98
•	0.117	0.105	-0.010 -0.301 0.000	1 030487E+00	31996 9426 32149 5738	100
	0.000	0.000	0.000	-6 132770E-11 1.892584E-10	32267 . 7877 32327 . 1828	101
	0.756 8.000	2 011 6 800	-3.851 0.000	2 752492E+00 3 322304E-11	32373 9583 32631 9218	103
	0.000	0.000	0.000	- 1 . 048640E - 10	32006 4043	105
	-0.061 -0.283	0,060 2,186	0.369 -3.869	6.382391E-01 -2.520675E+00	33012 3717 33130 5488 33285 9096	106
	-0 117 0 000	2 186 1 167 0 000	-3 869 0 345 0 000	5 913976F+00	33285 9096	107
	0.000	0.000	0.000	9 765455E - 11 1 798531E - 09	33406 8530 33695 2301	109
	8,000	-4.213 8.606	19.264 8.686	-8 704404E+00 -5 203169E - 12	33848 1156	112
	-0.143	-0.070	-1.953	-3 452381E+00 -3 175374E-01	33965.7183	113
	-0.019 0.000	-0.070 0.000	-0.021 0.000	-3 175374E-01 2 994812E-11	34008.3175	114
	0.000 0.481 0.000	0 393 0 300 0 000	0 000 2 604 0 000	-7.676819E+00	34018 3679 34287 8902	116
	0.165	0.000 -0.952	1.711	-1.857223E-10 3.939304E+00	34659 0369 34697 2522 35008 3703 35017 8251	117 118
	0 155 0 000 0 221 0 000	-0.952 9.000	0 157 0 000 0 157 0 000	1 433114E-10	35008 3703	120
	ŏ : ōō ō	-0.211 0.000 5.846 0.000	0 000	-4 050925E+00 -4 948956E-11	305 12M MX / /	120
•	0.095 0.000	5.846 0.000 0.933	-2.678 0.000 -3.044	1.096974E+01 7.547754E-12	36526 9375	121 122 123
	-0.310	0.933	-3 044	-4 829544E+00	35526 9375 35552 5518 35831 3059	124
	0 244 0 000	-3.319 0.000	-3.044 5.871 0.000	-7 605071E+00 -1 176048E-10	35987 9786 36083 6119	125
	0.000	0.000	0 000 1 067 0 000	-5 169798E-11 3 447198E+00	36321.6573	125 126 127 128 129 130
•	0.000	0 000	0.000	3 447198E+00 8 914022E-12	36321 6573 36500 2374 36592 2129	128
	-0.065 -0.071	1.449 -0.935	-1.683	1.931787E+00	38649.8406	130
	0.000	0.000	0.000	-3 281307E-11	36985 5875	131
•	0.000 -0.088	0.000 -2.091	0.000 #1.343	6 131646E-11 -4 425073E+00	37328 0177	123
	0.01Ř	-2.091 0.031 0.000 0.000	-4 A71	-4 594528E+00	37619.3414 37645.6084 37714.2369	134 135 136 137
	0.000 0.000	0.000	0.000	-2.000885E-10	37714 2369 37918 6451	136
	0 000	0.000	0.000	1 912861E-10 -6.600425E-10 4.822070E+00	38110.6994	138
<u> </u>	0.000	0.000	0.663 8.888	-2 906007E-09	38141 4341 38214 3872	139
	0.000 0.066	0.000 0.109	0.000 -0.491	6 948967E-10 -1 285786E+00	38455.6499	141
	-0.230	2.298	3 779 8 668	-1 285785E+00 -4 764554E+00 -9 885677E-11	38505 8261 38929 3651 39003 2066	142 143
	0.000	0.000	0.000	-9.885677E-11	39003 . 2065	144

ad Car	se (27) Load	Model Participat	Physical	Load in Each M	lode/	
Mode mber	Frequency	Participation Factor	Global X Direction X 1.0E+02	Global Y Direction X 1.0E+02	Global Z Direction X 1.0E+02	
145 146 147	39212 0229 39229 2573 39320 9892 39445 4942	-1 050037E-08 6.839044E+00 -3.806157E+00	0.000 0.447 1.611 0.000	0.000 -0.609 -0.844	0.000 0.869 0.887	
148	70E77 41EQ	6 0022826-10 -2 7906826+00	-0 497	-8:202	-0.450	
150	39648 3726 39752 5185 39858 5332 40008 7386	- 3 806 157E +00 - 6 002282E - 10 - 2 790682E+00 9 60628EE +00 3 550649E -09 3 548017E+00	-1 238 0 000	-0.844 0.000 -0.202 4.514 0.000	-0.450 -0.702 0.600 1.108 0.600	
153 154 155 156	30858 5332 40008 7386	•7 77 44UEE •1U	8:555	0.666	0.000	
154 155	40276 3210 40293 8063 40415 7783	1.629579E-09 6.559523E-01 1.256483E-09	0.000 0.041	0,000 -0,106	0.000 -0.070 -0.000	
157	40576.4485	4 R07330F-10	8:888	-0.106 0.000 0.000	0.000	
158 159	40681 8302	2 964589E-08 2 919370E+00 5 060820E-01 1 289129E+00	0 041 0 000 0 000 0 000 0 236 -0 637	0.000 -0.497	≈ 0.1665	
161	40047 E020	5 CB9820E-01 1 289129E+00	-0.037 -0.242	0.724 -0.007	0.026	
162 163	40978 6367 41199 3420 41291 0252 41341 4451	2 493078E -01 -8 026906E -10 -1 400658E+00	-0.242 -0.060 0.000	8.000	0.011	
1 <u>64</u>	41355 1824		-0.394 0.000	-0.267 0.666	9 210	
166 167	41634.6702 41847.3430	1 834572E-09 6 148132E+00	0 000 0 007	0.000 -2.474	0.000 0.149	
168 169	42225 3819 42284 5521	-4 218847E-09	0 549 0 000 0 000	0.000 0.000	0.000 0.000	
170	42435 .4401 42443 .3823	1 210269E-08 -5 963606E+00 -4 258258E+00	0.000 -0.348 1.301	-0.271	0.060	
172	42687 8411 42873 5275 43049 7492	-8 672846E-02	0.006	-1 828 -0 032 0 000	-0.106 0.002	
174 175	43049.7492 43153.3591 43192.0757	-1 111094E-07 -3 233644E+00	0.000 -0.155 0.047	0.000 -0.352 -0.014	0 002 0 000 0 040 0 003	
175	43260.0832	2.460395E-01 -1.493928E-06	0.000	-8:888	8.888	
178 179	43414 7486	6.628589E-01 -1.173048E+00	-0.258 0.018	0.000 0.121 -0.100	0.000 -0.008 -0.009 0.000	•
180	43660 8399 43683 0604 43822 3742	-7 368660E-06 1 788128E+00	0 000	0.000	-8:889	
182	43928.6836 44081.3161	_7 784776E_M	-0.641 -0.259 0.000	-0.213 -0.077 0.000	-0.009 -0.104 0.000 -0.021	
185	44361_0394	-6 147511E-05 -1 226472E+00 6 784383E-04 -7 331777E+00	-0 088 0 000 0 989 0 000 0 000	-0.147 8.666	-0.021 0.000	
186	44426 .5369 44493 .4098 44705 .1053 44713 .4082	-7.331777E+00	0.000	2.416	0.000 0.201 0.000 0.000	
- 186 188	44713 4062 44798 4593	9 409850E-06 9 409853E-06	<u>0.000</u>	0.000	-0.008 p_	12
190	44839 2846 44972 1034 45005 5440	-0.8718622-01 6.1622325-06 4.0228335-06 3.2672155+00	-0.031 0.000 0.000	-0.126 0.000 0.000	-0.008 E-:	14
192	45005 5440	3 26721EF+00	-0.795	0.837	-0.004	

IMPD03	-LOAD . TAB; 2		DISKE: [KPO				16-DEC-88 16:11
		/-	Physical	Load in Each M	Global Z		
Mode	Frequency	Participation Factor	Direction X 1.0E+02	Direction X 1.0E+02	Direction X 1.0E+02		
193	45079 0141 45137 9279 45249 5767 45373 0596 45420 3768 45487 1138 45683 7634 45703 0906 45926 4220 45926 4220 46926 4220 46926 5498 46113 428 46235 2532 48320 5038 46365 3678 463449 0939 46545 3896	9 111253E-05 6 080781E-01	0,000 -0,043 0,008 0,000	9.000	-0.000		
195 196 196 198	45137.9279 45249.5757	5.880781E-01 -4.040928E-02	-0.043 0.008	0.000 -0.188 0.001 0.000 0.000 0.428 0.000 -1.321 0.001 0.005 -0.002	0.001 0.000 0.000 0.000 0.000 -0.143 0.000 0.000		
196	45373.0696	- 040626 - 02 1 886178 - 04 - 6 7781378 - 01 6 728764 - 05 1 8624088 - 04 2 890696 + 00 - 2 0775128 - 04 - 4 780378 - 03 - 4 0607088 - 03 - 2 0213988 + 00 - 4 0507088 - 03 - 5 12556 - 03 6 0213988 + 00 4 58654 18 - 04 8 58654 18 - 04 8 58654 18 - 04 8 58654 18 - 04 8 58654 18 - 04 1 523028 - 00 3 4827738 - 00 2 155536 - 03 6 128772 + 00 2 155536 - 03 - 1 8246578 - 03 - 1 8246578 - 03 - 1 983188 + 00 - 2 932688 - 03 - 2 93278 - 03 - 3 93118 + 00 - 2 932688 - 03 - 3 93118 + 00 - 2 932688 - 03 - 3 93118 + 00 - 3 932688 - 03 - 3 93	0.000 0.106	0.000	0.000		
197	- 18291 7/38	6 1/20764E-05	0 000 0 000 0 000 0 063 0 000 -0 848 -0 002 -0 172	8:868	0.000		
199 200	45683 7934	1 .862408E-04	0.000	0.000 0.428	-0.143		
201	45926 4220	-2 0076128-04	<u>ŏ ŏŏŏ</u>	<u> </u>	<u>Ř 888</u>		
202	45990.8498	-4 780376E-03	0.000 -0.84R	1.321	0.046		
204	46113.4228	-4 060708E-03	-0 002	0 00	0.001		
201 202 203 204 205 206 207 208 209	46235 2532 46330 8008	-2.423859E+00 -2.551255E-03	0.001 -1.417	-0.002	0.001 -0.191 0.000 -0.078		
207	46365 3678	6.021398E+00	-1.417	-1 188 0 000 0 000 0 186	-0.078 0.000		
208 209	46449 0939 46545 3896	4.565541E-04 8.565145E-04	0.000	0.000	0.001		
210	46545 3896 46585 4825 46696 9479 46830 2985	3.523025E+00	0.264	0.186	0 000 0 001 0 127 -0 074		
211	46830 2985	3.462773E+00	0.086	-0.962	0 100		
213 214	48830 2986 4883 9310 47124 4595 47124 6596 47477 4131 47516 2502 47819 7419 47886 2288 47993 5792 48126 3311 48382 9807 48126 4311 48382 9807 48126 4814 48127 4814 4	2 155536E-03	0.000 0.000 0.262 0.262 0.000 0.000 0.000 0.000 0.000 0.000	0 186 0 965 -0 962 -0 901 -0 001 -0 001 -1 825 -0 000 -0 007 -0 007 -0 001	-0.074 -0.001 -0.288 -0.500 0.000 0.000 0.000 0.000 0.000 0.000		
214 215	47246 .6260	-1.624657E-03	0.001	-0.00	ŏ : ōŏ ŏ		
215 216	47477 .4131	-1 137903E-03	0.000 2.535	-0,001 1,826	0.000 0.408		
217	2/8 97 1286	2 549908E-03	2 5 35 -0 001 0 013 0 000 -0 002 -0 210 0 000 0 000 0 000 -0 221 -0 001	0.000	0.000		
219	47819.7419	8 629067E-01	0.013 0.000	-0.087 -0.001	0.000	•	•
220 221 222	47999 5792	2 248683 -03	-0.002	9.991	9.000		
222	48126 4540	-1.943118E+00	-0.210 0.000	0 548 0 000 0 000 -0 568 -0 000 -0 000 -0 001 -0 001 -0 001 -0 001 -0 000 0 000 0 000	0.000		
224	48382 6607	-2 933268E-03	0 0 <u>0</u> 1	0.000	0.000		
- 325 -	48412 7807 18837 7883	7 870589E+00 2 839795E-03	- 3 338	8:888	8.008		
227	48863 9824	-2 327531E-03	0.000	-0.002 -0.269	-0.001 0.084		
223 224 225 226 227 228 228 230 231 232 231 232 234 236 236 237	48828 4441	-1.985266E+00 -4.053809E-03	-0.001	0.003	0.000 -0.116 -0.001 -0.001 -0.084 -0.001 -0.473 -0.473 -0.473 -0.001 -0.000		
230	49072 5236	2 752842E+00	0 175 0 000 -1 661	-0 091	-0 036 -0 001		
231 232	49338 1777 49385 8370	9 457445E+00	-1.661	1.944	-0.473		
	49385 8370 49442 9498 49510 3251 49778 4751 49796 5998	-1.361230E+01	-1 520 0 660 0 660 0 621 0 601	-0.686	9 742 8 661		
234	49778 4751	3.246618E-04	ŏŏŏ ŏ	0.000	ŏ : ŏŏ ŏ		
236	49796 5998	1.563699E+00	0.021 0.001	-0.144 -0.001	-ŏ ùoo2		
231	49946 7558 63478 6542 65861 8086 65905 2180 86 (27) Loa	2.678637E+01	-1.176	-0 144 -0 001 1 504 0 003 0 080	-0.013		
239	65861.8086	2 678637E+01 2 445455E-02 8 573867E+00 d Nodal Participa	-0.003 1.14E	0.003 0.060	0 002 -0 071		
Load Ca	2180 (27) ins	d Model Particips	tion Factors		Mode/	<u> </u>	

							.*	
1MPD03	-LOAD TAB;2		DISKE: KP	50L]			16-DEC-88 16	l: ₹
			Global X	Global Y	Globel Z Direction			
Mode		Participation Factor	Blobal X Direction X 1.0E+02	X 1.0E+02	X 1.0E+02			
umber	Frequency							
241	67608 5292 67666 8736 68783 0925 69783 9709 69769 9986	1 000696E -02 3 667147E+01 -5 270023E -03	0.000 -2.234 -0.001 -2.124 -0.001	0.002 7.126 0.001 4.890 -0.050	0 002 -0 177 8 000			
242 243	68783 0925	-6 270023E-03	-0.001	0.001	0.000		The second secon	
244 245	69763 9709 60760 9986	2 925615E+01 8 484627E-01	-0.001	-0.0 5 ŏ	-0.742 -0.006		*.	
			AA 84.	AT 664	-16.968			
Res	of Model Ph	ysical Loads	29.795	27 . 804 27 . 788 2 . 77876É-01	- 16 ASS			
Ond Cas	ultant of Ap icaled Ap	plied Load Model Participal	29 795 29 795 2 97947E-01 tion Eactors - Physica Globel X Direction X 1 0E+02	2.77876E-01	-1.64585E-01			
		7.	Physics	l Load in Each Globel Y Direction X 1.05+02	Mode Global Z			
Mode		Participation Factor	Direction	Direction	Direction X 1 0E+02			
Liber	Frequency	Factor				· · · · · · · · · · · · · · · · · · ·		
1	1822. 6363 2248. 4186 3946. 7726. 45076. 8308 7894. 4056. 8093. 0523 8831. 5289 9727. 9284 9931. 8538 9931. 8538	-5.805116E+00 -2.867680E+00 -1.46832E-12 -1.46832E-12 -2.62862E+00 -3.118347E+00 -3.178118E-11 -3.178118E-11	18 854 -0 866 0 000 -0 477	-29.843 1.810 0.000 0.000	-4.281 -21.900 0.000 0.000 12.286 0.267 -0.156			
2	2248 .4185 2045 7726	-2.9875806+00 -1.4898326-12	*0.000	0.000	0.000			_
4	4100 8084	7750004 - 12	0 000	0.000 0.306	0.000		·	
5	5075 8308 7894 4050	-4 318347E+00	-0.065	0.313	'ð∶ 26 7			
	8093 0523	4 \$71\$78E+00	-0.065 0.065 11.758 0.000 9.742 0.000 0.000 0.000 0.000 0.000	-0.013 11.645	-0 195 -0 041			_
ğ	9727 9254	-3:178118E-11	11.758 0.000	0.000	-0.041 0.000 -3.954 0.000			
10	9931.8538	-4 884040E+00 -1 09842E-09 2 44480E-11 -5 40873E-12 2 05902E-10 5 15825E-01	9 742 0 000	0,000 5,593 0,000	-3.984 0.000			
12		2.4448026-11	0.000	0.000	0.000 0.000 0.000			
13 14	11784 3428 11827 3406 11834 4034	-5.408732E-12	0.000 0.000	0.000	ŏ∶ŏŏŏ			
15	11834 4034	2 069024E-10 5 155268E-01	8 888	9 267				
16 17	12575 8349 12852 4416 13952 5792 14220 0474	2 7634906 - 12 -1 7427156 - 11 -4 2564425+00 -8 5678785+00 3 3684585 - 11 7 0691006+00	ŏ: ŏŏŏ	11 645 0 000 5 583 0 000 0 000 0 000 0 267 0 000 12 810 -10 664 -0 010	0.000 0.000 0.000 -0.293 2.553			
18	13962 5792	-4 258642E+00 -8 587878E+00	3 414 22 813	12.610 11 679	-0.293 2.553		·	
20 21 22 23 24 25 26 27 28 29 30	14374 8945 14453 0410	3.36458E-11 7.069100E+00	0.000	6.000	0.000			
21	14453.0410	7.089100E+00 -1.448507E+00	0.000 -16.761 -0.071 0.000	-10. 054 -0.010	-1,402 -0,016			
	14869 8609 14929 8547 15548 9861 16447 4653 16795 7514	-1 4495075+00 -4 8902825-11 3 3972395+00 1 032075-01 4 1461815-11 -1 8983105+00	<u>0.000</u>	<u>0.000</u>	0.000			_
24 24	15548 . 9861 16447 . 4962	3.3975555+00 1.0320735+01	2.826	-0.161 2.703 6.600	1.346			
26	16796 7514	4.146181E-11	0.000	0.600	0.000			
- 77	16927 4820	-6.362110E-10	0.000	5:555	0.000			
29	7838 0283	-1 082908E-10	0.000 -1.151	0.000	0.000 -0.207			
31	16987 .4620 16987 .4620 17838 .0283 18091 .9781 18377 .2672 18396 .8821	-2 046007E+00	-0 944	-0.091	<u>-0 172</u>			
32	18396 . 8821	-9.088284E-11	0.000	0.000	0.000			
32 33 34 36	18512.4999 18986.2883 18967.4758	-1 8953 (0 +00 -6 3821 (0 - 10 -1 082908 - 10 -3 9746 18 +00 -2 0490 77 +00 -9 088264 - 11 -3 314290 - 12 -4 498559 +00 -6 865443 - 09 6 120924 - 11	-0.989 0.000	0 . 800 0 . 800 0 . 000 -0 . 005 -0 . 000 -1 . 524 0 . 000	0.000 -0.550 0.000 0.000 -0.172 -0.173 -0.000 -0.183 -0.000	E-1 3		
	19087 4758	-5.666443E-09	8:888	9.999	9.000			

1000	-LOAD TAB; 2		DISKE (KPOC	L]	· ·			10 940	-88 16:11
37		1.507906E+00	=		0.372	4			
38 39 40	19982 . 4040 20118 .8672 20228 . 9985 20441 . 2134 20894 . 0888 21073 . 9388 21118 . 2038 21282 . 1832 21385 . 8062	1.507905E+00 -5.077125E+00 -6.856210E+00	2.807 1.592 -7.362 0.000 0.000	-0.195 0.299 0.149 0.000	0.372 0.362 -0.489 0.000 0.000		, 		
41	20441.2134 20894.0888	-6,8562108+00 2,484808E-11 -3,236754E-11 -5,183392E+00 -1,33622E-10 9,487334E+00 -3,386044E-01	0:000 6:100	0.000	0.000 0.961				
- 13 - 14	21118.2038	-1 336227E-10	6 190 0 000 0 000		0 961 0 000 0 000				
45	21385 6993	9 497334E+00	-3.163 0.102 0.186	0.000 0.354 0.014 -0.813 8.593	-0,818 0,031				
45	21385 6993 21440 7917 21770 8601 21849 5606	1 516530E+00 -1 004837E+01	0 780 -0.648	-0.813 8.593	0 177 -0 143				
ad Cas	28) Load	Modal Participa	tion Factors		ndo/				
Hode		Participation	Global X Direction X 1.0E+02	Blobal Y Direction X 1.0E+02	Global Z Direction X 1.0E+02				
noer	Frequency	Factor	X 888	0,000	0.000				
49 50	21873 7909 22122 6863 22459 5346 22485 3742 23456 9006 23479 0957	-1.447329E-10 1.198871E+00	0 000 -1 207 0 600 0 000 0 000	-1.346 -1.848	0.101 0.668				
51 	22459 5346 22495 3742	-3.463029E+00 8.019613E-10 3.809611E-10	0.000	-1.346 -1.848 0.000 0.000					
53 54 55	22485 3742 23456 9006 23479 0957 23536 9192 23851 5910	3.809511E-10 -5.234804E-11 5.024366E+00	0.000 -2.895	O OOO	0.000 -0.540				
- 56	23851 5910 24154 0112	-4 259885E+00 4 260180E-01 1 398420E-11	-5.286 -0.065	3,682 -0,800 0,533 0,000	-0.501 -0.504				· · · · · · · · · · · · · · · · · · ·
58 59	24813.6132 24706.4333	1 398420E-11 6 013111E-11	-5. 286 -0. 005 0. 000 0. 000 -0. 684 0. 000 0. 000 0. 340	0.000 0.000	0 000				
60 61	24973 2988 25213 9434	- 458871E+00	-8. 884	0.000 0.000 -0.186	0.069				
62 63	25411.5261 25846.2899	-8 995146E-11 1 94996E-10 1 075409E+00 -1 326292E+00	0.000 0.000	0,000 0,000 0,481	0.000				
-64	23636 9192 23861 5910 24164 0112 24813 6132 24705 4333 24973 2988 25213 9434 25213 9434 25213 9434 25846 2899 25884 7305 25971 4296	- 326292E+00	0.300 0.340 -0.863	0 166 -0 295	0 000 0 000 0 000 0 000 0 000 0 000 0 000 0 000 0 000 0 000 0 000 0 000 0 000 0 000 0 000				
6 6 67	20102.2101	-2 E83E7EF-11	-0.363 0.000 -0.040	0 481 0 186 -0 296 0 000 -0 054	0.000				
68 69 70	26461 0156 26737 2059 26786 8482 26999 0584	6.932962E-12	0.000	0.000	0.000 0.000				
70 71 72	26786 .8482 26999 .0584 27361 .8660	1 183622E+00 -1 991947E-12	-0.224 0.000 0.288 0.738 0.000	-0.117 0.000 0.005	0 042 0 000 0 000 0 152 0 052				
72 73 74	27351 8680 27822 3946 27865 2646 27973 9176	-1 240642E+00 -8 292240E-01	0.288 0.738	-0.342	-0.052 -0.033 0.000				
75 76	27973 9176 28065 8451 28168 4204	7 467080E-11 -2 791242E+00	: 0.000 1.534 0.000	0.000 -0.585 0.000	9.812			<u>.</u>	
77 78	28567 4597	-8 039172E-11 6 858650E+00	-4.752	5 431 0 000	-0.628				
79 80	28636 4554 28656 3417 28947 6102	9 724073E-11 -6 360021E+00 4 257003E-11 -3 257736E-10 -3 023811E+00	0.000 7.639 0.000	-0 739 0 000 0 000	-0.628 0.000 -0.575 0.000 0.000			 	
81	28947.0102	-3 257736E-10	0.000	ŏ : ŏŏŏ ŏ	0.000				
82	29515.6776	-3 0338115+00	-0.591	1.403	-0.191				
82 83 84 85	29515 6776 29613 5861 29799 0351 28968 2241	-3 023811E-00 -6 303803E-00 -6 894769E-01	-0 591 -0 79 0 079	1 403 0 372 0 189	-0.181 0.244 0.644				
#3 #6	73-LOAD TAB;	8 694769E-01	DISK8: [KP	0.372 0.189	8.844			16-DE	C-88 16 11
83 86 96 96 86	73-LOAD TAB;	8 694769E-01	DISK8: [KP	0.372 0.189	0.000			16-DE	C-88 16 11
83 85 96 96 96 87	73-LOAD TAB;	8 694769E-01	DISK8: [KP	0.372 0.189	0.000			16-DE	C-88 16 11
83 86 96 96 86	3-LOAD . TAB ;; 30041 . 723 3026 . 535 30718 . 737 30718 . 737	8 694769E-01	DISK8: [KP	0.372 0.189	0.000 0.000			16-DE	C-88 16 11
93 95 95 95 95 97 98 99 90	30-LOAD TAB; 30041 723; 30206 536; 30216 732; 30718 732; 30750 910 30836 933;	5 6 180547E-01 -1 30447E-10 -1 30447E-00 -5 991043E-00 -5 991043E-00 -7 28407E-10 -1 728407E-10	DYSK8: [KP(0.000 -0.000 -5.693 0.396 0.000 -1.468	0.372 0.189 0.000 0.000 2.549 -1.200 0.000 0.000	0.000 0.000			16-DE	C-88 16 11
93 96 96 96 97 98 99 90 91 92 93 94	3-LOAD . TAB ;; 30041 . 723 30215 . 535 30215 . 732 30750 . 910 3090 . 393 31017 . 519 31196 . 397 31219 . 136 3137 . 334	5 6 1805475=01 5 6 1805475=11 -1 3044275=09 6 241286+00 9 9 286630=11 9 9 286630=11 9 9 286630=11 9 9 286630=11 9 1 8106675=10 8 -5 8580715=00 1 3755565=01 8 1 816465=01	DISK6 : [KP(0.000 -6.683 0.000 -1.686 0.000 -1.488 0.000 2.229 0.000 0.000	0.372 0.189	0.000			16-DE	C-88 16 11
93 96 96 96 97 98 99 90 91 92 93 94	3-LOAD . TAB ;; 30041 . 723 30215 . 535 30215 . 732 30750 . 910 3090 . 393 31017 . 519 31196 . 397 31219 . 136 3137 . 334	5 6 180547E-01 -1 30447E-10 -1 30447E-00 -5 991043E-00 -5 991043E-00 -7 28407E-10 -1 728407E-10	0.000 0.000 -0.000 -5.936 0.000 -0.000 0.000 0.000 0.000 0.000 0.000 0.000	0 . 372 0 . 189 0 . 000 0 . 000 2 . 549 -1 . 549 -2 . 549 -3 . 000 -3 . 000 -3 . 000 -3 . 000	0.000 0.000			16-DE	C-88 16 11
83 86 86 86 86 87 88 89 91 92 93 94 96 96 96 96 96	30041,723 3025 F35 3026 F35 30215 257 30215 257 30760,910 3097 31017 519 31017 519 31017 519 31017 519 31017 519 31017 519 31017 519 31017 519 31017 519 31017 519 31017 519 31017 519 31017 519	5 6 180647E-01 5 6 180647E-11 1 - 1 304482E-00 9 6 2497286E-00 9 9 288930E-11 2 772807E-00 4 181067E-00 7 6 243765E-11 9 1 37668E-10 8 1 815048E-10 8 1 815048E-10	0.000 0.000 -0.000 -5.936 0.000 -0.000 0.000 0.000 0.000 0.000 0.000 0.000	0 . 372 0 . 189 0 . 000 0 . 000 2 . 549 -1 . 549 -2 . 549 -3 . 000 -3 . 000 -3 . 000 -3 . 000	0.000 0.000			16-DE	C-88 16 11
83 86 86 86 86 87 89 90 91 92 93 95 0ad Ci	73-LOAD. TAB;; 30041 723 3026 F35 30215 F35 30215 732 30705 910 31017 519 31108 97 31237 836 31453 148 ase (28) Lo	5 6 180547E-01 5 6 180547E-10 1 - 1 204425-00 5 6 241225-00 5 - 5 991043E-00 9 9 28630E-10 4 1 610627E-10 8 - 5 858071E-00 8 - 6 243165E-11 9 1 37558E-01 8 1 815048E-10 8 1 815048E-10 9 Modal Participation Participation	DISK8: [KPI 0.000 -6.593 -6.593 0.000 -1.469 0.000 2.299 0.000 0.000 0.000 0.000 pation Factors /	0.372 0.189 0.189 0.000 0.000 2.549 -1.201 0.000 -3.203 0.000 -3.203 0.000 -3.203 0.000 1.0000 1.000 1.000 1.000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	0.000 0.000 0.000 0.127 0.000 0.227 0.000			16-DE	C-88 16 11
93 95 95 96 97 88 89 90 91 92 93 94 95 oad Ci	73-LOAD. TAB;; 30041 723 3026 F35 30215 F35 30215 732 30705 910 31017 519 31108 97 31237 836 31453 148 ase (28) Lo	5 6 180547E-01 5 6 180547E-10 1 - 1 204425-00 5 6 241225-00 5 - 5 991043E-00 9 9 28630E-10 4 1 610627E-10 8 - 5 858071E-00 8 - 6 243165E-11 9 1 37558E-01 8 1 815048E-10 8 1 815048E-10 9 Modal Participation Participation	DISK8: [KPI 0.000 -6.593 -6.593 0.000 -1.469 0.000 2.299 0.000 0.000 0.000 0.000 pation Factors /	0.372 0.189 0.189 0.000 0.000 2.549 -1.201 0.000 -3.203 0.000 -3.203 0.000 -3.203 0.000 -3.203 0.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.0000 0.000	0.000 0.000 0.000 0.127 0.000 0.127 0.000			16-DE	C-88 16 11
83 84 85 86 86 87 88 89 90 91 92 93 94 96 96 96 96 96 96 96 96 96 96 96 96 96	73-LOAD. TAB;; 30041 723 3026 F35 30215 F35 30215 732 30705 910 31017 519 31108 97 31237 836 31453 148 ase (28) Lo	5 6 180547E-01 5 6 180547E-10 1 - 1 204425-00 5 6 241225-00 5 - 5 991043E-00 9 9 28630E-10 4 1 610627E-10 8 - 5 858071E-00 8 - 6 243165E-11 9 1 37558E-01 8 1 815048E-10 8 1 815048E-10 9 Modal Participation Participation	DISK8: [KPI 0.000 -6.593 -6.593 0.000 -1.469 0.000 2.299 0.000 0.000 0.000 0.000 pation Factors /	0.372 0.189 0.189 0.000 0.000 2.529 -1.291 0.000 -2.000 -2.000 -2.000 -3	0.000 0.000 0.000 0.127 0.000 0.127 0.000			16-DE	C-88 16 11
83 84 85 85 86 87 87 81 89 90 91 91 93 94 95 96 98 99 101 102 102 103 103 104 105 105 105 105 105 105 105 105 105 105	30041,723 3026 F36 3026 F36 30215,257 30716,257 30760,363 31017,519 31017,519 31017,519 31017,519 31453,148 31453,148 31453,148 31453,148 31956,942 32149,573 32247,183	5 6 180547E-01 5 6 180547E-10 1 - 1 204425-00 5 6 241225-00 5 - 5 991043E-00 9 9 28630E-10 4 1 610627E-10 8 - 5 858071E-00 8 - 6 243165E-11 9 1 37558E-01 8 1 815048E-10 8 1 815048E-10 9 Modal Participation Participation	DISK8: [KPI 0.000 -6.593 -6.593 0.000 -1.469 0.000 2.299 0.000 0.000 0.000 0.000 pation Factors /	0.372 0.189 0.189 0.000 0.000 2.589 -1.291 0.000 -3.203 0.000 -0.000 -0.000 1.000 1.000 1.000 1.000 1.000 1.000 0.	0.000 0.000 0.000 0.127 0.000 0.127 0.000			16-DE	C-88 16 11
83 84 85 86 86 86 87 89 90 91 92 93 94 96 96 96 96 96 96 97 97 98 98 98 98 98 98 98 98 98 98 98 98 98	30041 723 30061 723 30205 536 30216 257 30718 732 30750 313 31017 519 31106 397 31219 136 31453 146 31453 146 31453 146 31859 662 31969 642 31969 642 31969 642 31969 642	5 6 180547E-01 5 6 180547E-10 1 - 1 204425-00 5 6 241225-00 5 - 5 991043E-00 9 9 28630E-10 4 1 610627E-10 8 - 5 858071E-00 8 - 6 243165E-11 9 1 37558E-01 8 1 815048E-10 8 1 815048E-10 9 Modal Participation Participation	DISK8: [KPI 0.000 -6.593 -6.593 0.000 -1.469 0.000 2.299 0.000 0.000 0.000 0.000 pation Factors /	0.372 0.189 0.189 0.000 0.000 2.589 -1.291 0.000 -3.203 0.000 -0.000 -0.000 1.000 1.000 1.000 1.000 1.000 1.000 0.	0.000 0.000 0.000 0.127 0.000 0.127 0.000			16-DE	C-88 18 11
83 84 85 86 86 87 87 81 81 90 91 92 93 93 94 95 100 100 100 100 100 100 100 100 100 10	30041,723 3025 F36 3025 F36 30215,257 30718,257 30760,910 31017,519 31017,519 31017,519 31017,519 31017,519 31453,148 31453,148 31453,148 31453,148 31956,942 32149,573 32247,183 32327,185 32373,958 3231,951	5 6 1905476-11 -1 3044827-09 5 6 2477956-00 5 6 2477956-00 6 6 2477956-00 6 7 9 10436-00 9 2 286071-00 9 1 975567-10 9 1 975568-01 8 1 8 150486-10 9 1 9 104286-10 9	DISK8: [KPI 0.000 -6.593 -6.593 0.000 -1.469 0.000 2.299 0.000 0.000 0.000 0.000 pation Factors /	0.372 0.189 0.189 0.000 0.000 2.548 -1.201 0.000 -3.203 0.000 -3.203 0.000 -3.203 0.000 1.000 1.000 1.000 1.000 0.000	0.000 0.000 0.000 0.127 0.000 0.127 0.000			16-DE	C-88 16 11
85 86 85 86 86 87 89 90 91 92 93 94 96 96 96 91 100 101 102 103 104 105 106 106 106 106 106 106 106 106 106 106	30041,723 3025 F36 3025 F36 30215,257 30718,257 30760,910 31017,519 31017,519 31017,519 31017,519 31017,519 31453,148 31453,148 31453,148 31453,148 31956,942 32149,573 32247,183 32327,185 32373,958 3231,951	5 6 1905476-11 -1 3044827-09 5 6 2477956-00 5 6 2477956-00 6 6 2477956-00 6 7 9 10436-00 9 2 286071-00 9 1 975567-10 9 1 975568-01 8 1 8 150486-10 9 1 9 104286-10 9	DISK6: [KPi 0.000 0.000 -6.693 0.386 0.000 -1.489 0.000 2.289 0.000 0.000 pation Factors Physical Silvetion X 1.08+02 0.000 0.00	0.372 0.189 0.189 0.000 0.000 0.000 2.549 -1.201 0.000 -3.203 0.000 -0.007 0.000 0.000 1 Load in Each 6 lobe 1 v Direction X 1.0E+02 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.127 0.000 0.127 0.000			16-DE	C-88 16 11
83 84 85 86 86 87 89 91 92 93 94 95 96 96 96 97 97 97 98 98 99 90 90 90 90 90 90 90 90 90 90 90 90	30041,723 3025 F36 3025 F36 30215,257 30718,257 30760,910 31017,519 31017,519 31017,519 31017,519 31017,519 31453,148 31453,148 31453,148 31453,148 31956,942 32149,573 32247,183 32327,185 32373,958 3231,951	5.894769E-01 5.894769E-01 5.691647E-11 -1.3044827-09 5.691643E-00 5.691643E-10 7.691643E-10 8.1816087E-10 8.1816048E-10 9.1816048E-1	DISK6: [KP4 0.000	0.372 0.189 0.189 0.000 0.000 0.000 2.549 -1.201 0.000 -3.203 0.000 -3.203 0.000 -0.087 0.000 1.083 0.010 0.000 0.000 0.000 0.000 0.000 0.000 0.223 1.580 1.244 0.000 0.000	0.000 0.000 0.000 0.127 0.000 0.127 0.000			16-DE	C-88 16 11
83 84 85 86 86 87 88 89 90 91 93 94 95 90 91 102 102 102 102 103 104 105 107 107 108 108 108 108 108 108 108 108 108 108	3-LOAD TAB; 30041 723; 30041 723; 30716 735; 30716 737; 30716 737; 30716 737; 3108 397; 31219 136; 31453 146; 31453 146; 481 31856 642; 32149 573; 32273 682; 32249 573; 32273 682; 32273 6	5.894769E-01 5.894769E-01 5.691647E-11 -1.3044827-09 5.691643E-00 5.691643E-10 7.691643E-10 8.1816087E-10 8.1816048E-10 9.1816048E-1	DISK6: [KP4 0.000	0.372 0.189 0.189 0.000 0.000 0.000 2.549 -1.201 0.000 -3.203 0.000 -3.203 0.000 -0.087 0.000 1.083 0.010 0.000 0.000 0.000 0.000 0.000 0.000 0.223 1.580 1.244 0.000 0.000	0.000 0.000 0.000 0.127 0.000 0.127 0.000			16-DE	C-88 16 11
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156 40415 7783 -6 3823485 10 157 40576 4485 -1 1049705 08 158 40680 0891 -4 7145385 08 159 4081 1302 -4 6381615 00 160 40847 8838 -2 8100935 00	0.000 0 0.000 0	.000 0.000 .000 0.000		
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161 40978 8367 -1 718208E+00 162 41189 3420 1 90824E+00 163 41281 0252 -1 7389E-09 164 41341 4451 -6 840710E+00	0.323 -0 -0.461 -0 0.600 8			
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181 43822 3742 -4 8440065-00 182 43928 8836 5 3298775-00 183 44081 3161 1.8894995-04 *** IMPDO3-LOAD TAB; 2 184 44361 0394 -8 1926825-01 185 44428 5369 -2 0658215-03 186 44493 4098 2 5843655-00 187 44706 1053 4 5914275-06 188 44713 4092 -8 4050535-05 188 44713 4062 -8 4050535-05 189 44992 2045-0 -1 4185245-05 199 44839 2845 -1 4185245-05 199 44872 1024 -8 829230-06 191 44972 1024 -8 829230-06 192 45005 5440 2 1619825-00 Mode Participation Mode Participation	DISK6:[KPOOL] -0.000 -0 0.000 -0 0.000 -0 0.000 -0 0.000 0 0.0	.098 -0.014 .098 -0.014 .000 0.000 .000 0.000 .000 0.000 .000 0.000 .000 0.000 .419 -0.003 Each Mede		18-DEC-88 16 11
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181 43822 3742 -4 8440065-00 182 43028 8836 5 3298775-00 183 44081 3161 1 8884995-04 184 44381 0384 -8 1928825-01 185 44493 10384 -8 1928825-01 186 44493 1038 2 5843985-00 187 44705 1053 4 5914275-06 188 44713 4082 2 8408053-06 189 44708 4803 1 0288795-01 190 44839 2845 -1 418524-05 181 44972 1034 8823-06 182 45005 8440 2 1619825-00 183 44713 4082 -8 1619825-00 184 4839 1085 -1 418524-05 185 4839 1085 -1 418524-05 186 4839 1085 -1 418524-05 187 48708 4800 3 1 0288795-01 188 44713 4082 -8 282230-08 199 44839 1085 -1 418524-05 191 48972 1034 -8 282230-08 192 45005 8440 - 1 8484005-05 193 45079 0141 -1 9494005-05 194 45137 9787 - 2 0488858-00 195 45249 8787 - 4 4223828-00 196 45373 0658 -3 5881785-06 197 45420 3788 -2 0802825-00 198 45491 7138 -1 3418735-05 198 45491 7138 -1 3418735-05 198 45491 7138 -1 3418735-05 198 45491 7138 -1 3418735-05 198 45491 7138 -1 3418735-05 198 45491 7938 -2 0802825-00 200 45703 0976 -1 4143771-00 201 45956 4828 -2 0802825-04 202 46343 0898 -1 848310 -06 203 46012 0484 -7 880785-00 204 4613 4228 -7 880785-00 205 46385 3878 -3 928978-00 206 46325 2532 -3 100816-03 207 46365 3878 -3 928978-00 208 46448 0839 -1 8640485-04 209 46546 3898 -1 866076-04 211 46865 8429 - 2 985684-00	DISK6: [KPOOL] -0.080 -0 0.000 -0 0.000 -0 0.000 -0 0.000 -0 0.000 0 0	SE2	-15	18-DEC-88 16 11

	-LOAD . TAB;2		DISKE: [KP	(CL.)			16-DEC-88 16:11 Pm
233 234	49442 9498 49510 3251 49778 4761	3.590610E+00 -5.003671E-04 -3.714326E-04 1.438747E-01 -3.622938E-04 2.446964E-01 -7.663768E-02	0.401 0.000	0.181 0.000	-0 . 196 		
234 235	49778.4751	-3.714325E-04	8.888	0.000	0.888		
237	49946 7558	-3 622938E-04	0.197 0.000	-1.328 0.000	0 228 0 000		
238	85861.8086	3.74325-04 1.438747E+01 -3.622938E-04 2.445974E+01 -7.683768E-02 -2.458972E+01 Modal Participat	0.009	-0.009	-0.012 -0.008 0.204		
Load Case	28) Load	Model Participat	-3.283	-0.171			
		·····	GTODA X	Global V	(3) obe 1 Z		
Mode Number	Frequency	Participation Factor	Direction X 1.0E+02	Direction X 1.0E+02	Direction X 1.0E+02		i
241	67508 5292	-1.530987E-02	0.000	-0.003	_A 7053		
242 243	67508 5292 67666 8736 68783 0925	-3 280378F+01	2.004 0.000	-6 392 0 000	0 159 0 000 -0 708 -0 005		
	68783 0926 69763 9709 69769 9985	-1.667680E-03 2.792954E+01 8.100284E-01	-2 028 -0.001	-0.048	-0.708		

Resi	ultant of Ap	ysical Loads plied Load	38.068 39.727 3.97272E-01	8.743 9.313	-16.838 -16.616 -1.66160E-01		
Load Case	caled Ap	plied Load Modal Participat	IOD FACTORS	9.31337E-02			
		/-	Global X	Load in Each M	Node IIIoba 1 Z		
Mode Number	Frequency	Participation Factor	Direction X 1.0E+02	Direction X 1.0E+02	Direction X 1.0E+02		
1	1822 6353						
2	1822 6363 2249 4185 3945 7726	-5 949238E+00 -3 200667E+00 -1 670257E-12	20.011 -0.034 0.000	-31 675 1 736 0 000 0 000	-4.543 -23.621 0.000 0.000 13.516		
ě	4100 8064 5075 8308 7894 4060		0.000	0:000	0.000		
Ğ	7894 4060 8093 0523	1.964181E-12 2.893269E+00 6.692921E+00 4.801721E+00 5.905304E+00 -2.076085E-11 -4.40334E+00 -1.024701E-09 3.474252E-11	0.524	-0.403 -0.485			***
8	8831 6289	5 905304E+00	0.070 18.008	-0.000	-0 149		
18	9727 9254 9931 8538 9945 8979	-2 078065E - 11 -4 403344E+00	0 000 8 820 0 000	15 854 0 000 5 063 0 000	-3 887		
11 12	10830 E081	-1.024701E-09 3.474252E-11	0.000 0.000	0.000	-0.056 0.000 -3.607 0.000 0.000	100	İ
13	11784 3428 11827 3405 11834 4034 12676 8349	1 310087E-11 5.80091E-11 1.599601E-01 3.818522E-12 -3.112672E-11 -2.830197E-00	0:000 0:000 0:000				
15 16	11834 4034	1.599801E-01	, Ö. 278	0.083	0.003		
- 17	12852 4416 13952 5732 14220 0474	-3 1126728-11	0 278 0 000 0 000 2 109	0.000	0.000 0.000 -0.181		
20	14220 0474		- 19,557 0,000	0 000 7 792 -9 927 0 000	-2.189		
		3 837638E - 11 -8 857252E+00 8 046981E+00	20 082	0.000 13.348	0.000 1.756		
- 7:		8 . 046981E+00 3 . 082387E - 10	0 386 0 000	13.348 0.067 0.000	7756 0 091 0 000		
22 23	14929 8547	3.08238/E-10			7.022		}
22 23 24 25	14453 0410 14869 9609 14929 8547 15548 9861 16447 4653	3 082387E - 10 -3 672207E+00 2 996136E+00	2.906	0.931 0.803	0.958 0.967		
28	18794 7812	-3.672207E+00 2.968136E+00 -6.663006E-12	2.905 0.812 0.800	0 931 0 803 0 806	0 958 0 960		
28 - 14 5 003-	-LOAD YAB:2	2 906 1305 +00 -6 663006E - 12	2 .906 8 12 2 0 .000	8.888 8.888			16-DEC-88 16:11 Pag
26 110003-	-LOAD YAB:2	2 9061305+00 -6.663006E-12	2 .906 8 12 2 0 .000	8.888 8.888			16-DEC-88 18:11 Pag
26 114F003- 27 28 29 30	-LOAD TAB: 2 16987 4620 17838 0283 17838 0283	-5.240209E+00 -2.001042E-08 -4.475888E-11	2 .906 8 12 2 0 .000	0, 231 8,803 8,800 8,800 6,800	1.380		16-DEC-88 16:11 Pag
26 26 1MP003- 27 28 29 30 31	-LOAD YAB: 2 16983 0608 16987 4420 17838 0283 18091 9781 18377 2672	-5.240209E+00 -5.240209E+00 -2.001042E-09 -4.47636E-11 5.183807E+00	2 .906 8 12 2 0 .000	0, 231 8,803 8,800 8,800 6,800	1.380		16-DEC-88 16:11 Pag
26 26 27 28 29 30 31 32 33	18796 7614 18796 7614 	-5.240209E+00 -5.240209E+00 -2.001042E-09 -4.47636E-11 5.183807E+00	2 905 0 812 0 000 0 000 1 474 1 474 0 000 0 504 0 504 0 500 1 800	0. 801 0. 802 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800	1.390 0.000 0.000 0.271 -0.290 0.000		16-DEC-88 16:11 Pag
26 26 27 28 29 30 31 32 33	-LOAD YAB:2 16983 .0008 16987 .4620 17938 .028 18091 .9781 18396 .8821 181091 .9781 18396 .8821 181091 .9781 181091 .9781	-5.240209E+00 -5.653006E-12 -5.240209E+00 -2.001042E-09 -4.476988E-11 5.193807E+00 -3.341864E+00 -1.E27118E-10 -2.048E74E-11 -4.781848E-10	2 905 812 0 000 0 000 1 474 0 000 0 000 1 504 -0 560 -1 882	0. 801 0. 802 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800	1.390 0.000 0.000 0.000 -0.290 0.000 -0.000		16-DEC-88 16:11 Pag
26 28 27 28 29 30 31 32 34 36 37 37	-LOAD YAB:2 16983 .0008 16987 .4620 17938 .028 18091 .9781 18396 .8821 181091 .9781 18396 .8821 181091 .9781 181091 .9781	-5.240209E+00 -5.653006E-12 -5.240209E+00 -2.001042E-09 -4.476988E-11 5.193807E+00 -3.341864E+00 -1.E27118E-10 -2.048E74E-11 -4.781848E-10	2 905 812 0 000 0 000 1 474 0 000 0 000 1 504 -0 560 -1 882	0. 801 0. 802 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800	1.390 0.000 0.000 0.000 -0.290 0.000 -0.000		16-DEC-88 16:11 Pag
26 26 28 29 30 31 32 33 34 36 36 37	-LOAD YAB:2 16983 .0008 16987 .4620 17938 .028 18091 .9781 18396 .8821 181091 .9781 18396 .8821 181091 .9781 181091 .9781	-5.240209E+00 -5.653006E-12 -5.240209E+00 -2.001042E-09 -4.476988E-11 5.193807E+00 -3.341864E+00 -1.E27118E-10 -2.048E74E-11 -4.781848E-10	2 905 812 0 000 0 000 1 474 0 000 0 000 1 504 -0 560 -1 882	0. 801 0. 802 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800 0. 800	1.390 0.000 0.000 0.000 -0.290 0.000 -0.000		16-DEC-88 16:11 Pag
26 26 28 29 30 31 32 33 34 36 36 37	-LOAD YAB:2 16983 .0008 16987 .4620 17938 .028 18091 .9781 18396 .8821 181091 .9781 18396 .8821 181091 .9781 181091 .9781	-5.240209E+00 -5.653006E-12 -5.240209E+00 -2.001042E-09 -4.476988E-11 5.193807E+00 -3.341864E+00 -1.E27118E-10 -2.048E74E-11 -4.781848E-10	2 905 812 0 000 0 000 1 474 0 000 0 000 1 504 -0 560 -1 882	0. 931 0. 802 0. 600	1.390 0.000 0.000 0.000 -0.290 0.000 -0.000		16-DEC-88 16:11 Pag
26 26 28 29 30 31 32 33 34 36 36 37	-LOAD YAB:2 16983 .0008 16987 .4620 17938 .028 18091 .9781 18396 .8821 181091 .9781 18396 .8821 181091 .9781 181091 .9781	-5.240209E+00 -5.653006E-12 -5.240209E+00 -2.001042E-09 -4.476988E-11 5.193807E+00 -3.341864E+00 -1.E27118E-10 -2.048E74E-11 -4.781848E-10	2 905 812 0 000 0 000 1 474 0 000 0 000 1 504 -0 560 -1 882	0. 931 0. 802 0. 600	1.390 0.000 0.000 0.000 -0.290 0.000 -0.000		16-DEC-88 16:11 Pag
26 26 27 28 29 30 31 32 33 34 35 37 38 39 40 41 42 43 44 45	-LOAD YAB:2 16983 .0008 16987 .4620 17938 .028 18091 .9781 18396 .8821 181091 .9781 18396 .8821 181091 .9781 181091 .9781	-5.240209E+00 -5.653006E-12 -5.240209E+00 -2.001042E-09 -4.476988E-11 5.193807E+00 -3.341864E+00 -1.E27118E-10 -2.048E74E-11 -4.781848E-10	2 905 812 0 000 0 000 1 474 0 000 0 000 1 504 -0 560 -1 882	0. 931 0. 802 0. 600	1.390 0.000 0.000 0.000 -0.290 0.000 -0.000		16-DEC-88 16:11 Pag
26 26 27 27 28 29 30 31 32 33 34 35 37 38 39 41 42 43 44 45 46	-LOAD YAB:2 16983 .0008 16987 .4620 17938 .028 18091 .9781 18396 .8821 181091 .9781 18396 .8821 181091 .9781 181091 .9781	-5.240209E+00 -5.653006E-12 -5.240209E+00 -2.001042E-09 -4.476988E-11 5.193807E+00 -3.341864E+00 -1.E27118E-10 -2.048E74E-11 -4.781848E-10	2 905 812 0 000 0 000 1 474 0 000 0 000 1 504 -0 560 -1 882	0. 931 0. 802 0. 800 0. 800 0. 800 0. 000 0. 046 -0. 148 -0. 100 0. 000 -2. 916 0. 000 -2. 916 0. 000 -2. 916 0. 000 -2. 916 0. 000 -3. 916 0. 000 0. 802 -0. 293 -0. 665 0. 000 -1. 800 -1. 800 -1. 800 -1. 800 -2. 916 -3. 916 -3. 916 -3. 916 -3. 916 -4. 916 -5. 916 -5. 916 -6. 916 -6. 916 -7. 916	1.390 0.000 0.000 0.000 -0.290 0.000 -0.000		16-DEC-88 16 11 Pag
26 26 27 28 29 30 31 32 33 34 35 37 38 39 41 42 43 44 45 46	-LOAD YAB:2 16983 .0008 16987 .4620 17938 .028 18091 .9781 18396 .8821 181091 .9781 18396 .8821 181091 .9781 181091 .9781	-5.240209E+00 -5.653006E-12 -5.240209E+00 -2.001042E-09 -4.476988E-11 5.193807E+00 -3.341864E+00 -1.E27118E-10 -2.048E74E-11 -4.781848E-10	2.905 0.812 0.000 0.000 1.474 0.000 0.000 1.504 -0.582 0.000 -1.892 0.000 -1.893 0.000 -1.883 4.889 0.000 0.	0. 931 0. 802 0. 803 0. 800 0. 800 0. 000 0. 046 -0. 148 -0. 100 0. 000 -2. 916 0. 000 0. 000 -2. 933 -0. 685 0. 000 0	1.390 0.000 0.271 0.280 0.000 0.196 0.000 -1.326 0.300 0		16-DEC-88 16:11 Pag
28 28 27 28 30 30 31 32 33 34 35 36 37 37 38 39 41 42 43 44 45 46 47 48 48	-LOAD YAB:2 16983 .0008 16987 .4620 17938 .0221 18091 .9781 18396 .8821 181091 .9781 18396 .8821 181091 .9781	-5.240209E+00 -5.553006E-12 -5.553006E-12 -5.553006E-12 -5.553006E-12 -6.240209E+00 -2.001002E-09 -4.475986E-11 -5.1938074E-11 -4.781639E+00 -1.084981E-08 -1.225306E-10 -5.35636E-10 -6.36336E-00 -1.271282E-10 -4.55233E-11 -4.55233E-11 -2.337047E-00 -1.581562E-01 -2.337047E-00 -1.581562E-01 -1.581562E-01	2.905 0.812 0.000 0.000 1.474 0.000 0.000 1.504 -0.582 0.000 -1.892 0.000 -1.893 0.000 -1.883 4.889 0.000 0.	0. 931 0. 802 0. 803 0. 800 0. 800 0. 000 0. 046 -0. 148 -0. 100 0. 000 -2. 916 0. 000 0. 000 -2. 933 -0. 685 0. 000 0	1 390 0 500 0 000 0 271 -0 280 0 000 -0 196 0 000 -1 322 -0 356 0 000 0 853 0 000 0 853 0 000 0 271 -0 771 -0 771		16-DEC-88 18:11 Pag
26 26 27 27 28 29 30 31 32 33 34 36 37 38 39 40 41 42 43 44 45 46 47 48	1847 - 801 18796 7514 18796 7514 18796 18791 18377 18506 18791 18377 18506 18791 18377 18506 18791 18377 18506 18792 18506 18792 187	-5.553006E-12 -5.553006E-12 -5.553006E-12 -5.553006E-12 -5.553006E-12 -6.240209E+00 -2.0010428E-11 -5.1938074E-11 -2.118E-10 -2.04881E-00 -1.024881E-00 -1.233048E-00 -1.3341882E+00 -1.335018-11 -4.558313E-11 -4.558313E-11 -7.04488E-00 -1.558561E-12 -4.558313E-11 -7.04488E-00 -1.558561E-12 -4.558313E-11 -7.58468E-00 -1.58468E-00 -1.58468E-00 -1.58468E-00 -1.58468E-00 -1.58468E-00 -1.58468E-00 -1.58468E-00 -1.58468E-00 -1.58468E-00 -1.58468E-00	2.905 0.812 0.000 0.000 1.474 0.000 0.000 1.504 -0.582 0.000 -1.892 0.000 -1.893 0.000 -1.883 4.889 0.000 0.	0. 931 0. 802 0. 803 0. 800 0. 800 0. 000 0. 046 -0. 148 -0. 100 0. 000 -2. 916 0. 000 -2. 933 -0. 665 0. 600 -1. 800 -1.	1 390 0 500 0 000 0 271 -0 280 0 000 -0 196 0 000 -1 322 -0 356 0 000 0 853 0 000 0 853 0 000 0 271 -0 771 -0 771		16-DEC-88 18:11 Pag
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28 28 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 48 48 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	1847 - 801 18796 7514 18796 7514 18796 18791 18377 18506 18791 18377 18506 18791 18377 18506 18791 18377 18506 18792 18506 18792 187	-5.240209E+00 -5.553006E-12 -5.553006E-12 -5.553006E-12 -5.553006E-12 -6.240209E+00 -2.001002E-09 -4.475986E-11 -5.1938074E-11 -4.781639E+00 -1.084981E-08 -1.225306E-10 -5.35636E-10 -6.36336E-10 -4.55233E-10 -4.55233E-10 -7.09426E-11 -2.337047E-00 -1.551502E-01 -2.337047E-00 -1.581502E-01 -2.337047E-00 -1.581502E-01 -2.337047E-00 -1.581502E-01	2.906 6.812 0.000 0.000 1.802 0.000 1.504 0.000 0.582 0.000 0.1892 0.000 0.920 0.000 0.920 0.000 0.920 0.000 0.920 0.000 0.920 0.000 0.920 0.000 0.920 0.0000 0.000 0.000	0. 931 0. 802 0. 800 0. 800 0. 800 0. 800 0. 000 0. 048 0. 000 0. 600	1.390 0.000 0.271 0.280 0.000 0.196 0.000 0.196 0.000 0.326 0.300 0.		16-DEC-88 18:11 Pag

* 11470	03-LOAD . YAB :	2	DISKE: KPO	 		A QUALITY		
76				0.740	-0.015		16-DEC	-88 18:11 P
77 78 78	28065 845 28168 420 28567 488 28565 485 28566 341 28047 810 2815 877 29613 586 29799 036	3 .5279435+00 4 .2 .647991E-11 7 .2 .437872E-00 8 .1 .741932E-11 7 -4 .397304E-01 2 -4 .47208E-12 5 .2 .6308 E-10 1 .5 .96374E+00 1 .1 .066807E+01 5 .2 .522404E-10 4 .7 .8981296-10	-1.939 0.000 -1.889 0.000 0.528	0 000 0 000 0 000 -0 061	-0.015 0.000 -0.223 0.000 -0.040 0.000			
- 82	28047 810 29515 877		0 .528 0 .600 0 .987 -0 .704 1 .516 0 .000 0 .000 -2 .780 -0 .281 0 .000 0 .000 0 .000 0 .000	-0.061 - 9.000	-0.040			•
83 84 85	29613.586 29799.036 29988.224	5 051989E+00 -5 983784E+00	0.987 -0.704	-2:344 0:363	0.319			
95 86 87	3004 1 723 30206 536	2 522404E-10 -7 669120E-10	0 600 0 000	3.807 0.800 0.000	0.841 0.000			
88 86 90	39718 732	7.6691206-10 3.0611696+00 4.6064645+00	-2 780 -0 291	0.000 -2.344 0.353 3.867 0.000 0.000 1.245 0.903 0.002 0.002 0.000 -2.479 0.000 2.817	0.000 0.000 0.000 -0.021 0.000 -0.059 0.000 -0.780			
91	31017 E10	- 1 998348 - 1 - 4 9307216 - 01 3 7845226 - 11 - 4 5327586 + 00 - 1 224706 - 10 - 4 477606 + 00	0 : 266 0 : 660	0.000 -0.002 0.000	0.000 -0.059 0.060			
93 94 96	31166 3971 31219 135 31337 836	-1 224705E-10 -4 477605E+00	1 772 0 000 -2 024	0.000	-0.700 0.000			
96 11 0ad C	31337.8366 31453.1466 88 29 Los	24.477605E+00 8.862665E-12 d. Modal Participa Participation Participation	0 000 tion Factors	2.817 0.000	0:000			•
Hode		Participation	Global X Direction	Globel Y	Global Z			
<u>Number</u> . 97	31666 .4818	1 1478175-12	X 1.0E+02	Direction X 1.0E+02	Direction X 1 0E+02			
100	31866 4818 31859 6827 31996 9426 32149 5738 32267 7877 32327 1828 3231 9218 32906 4943 33012 3717 33130 5488 33285 5056 33406 5530 33695 2301 33908 2365 33494 1156 33995 7183 34008 377	1 147617E - 12 -9 703178E - 11 4 116444E + 90 -1 047472E + 88	0 000 0 000 0 000 0 000 0 000 -3 320 0 000	0.000 0.000 0.543	0 000 0 000 -0 071 -0 119 0 000 0 000 0 000 -0 428 -0 489 -0 111 0 000 0 000 -0 000	•		
101	32267 7877 32327 1828	4 027755E-10 -4 067042E-11	0.306 0.000 0.000	0 543 -0 107 0 000 0 000	-0 119 0 000			
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106	33012.3717 33130.5488	4 432446E+00 -4 091759E+00	2 . 490 2 . 490 -6 . 280	0.000 0.418 3.548 1.006 0.000	0 000 -0 426 -0 459			İ
109	33285 9096 33406 8530 33595 2301	5.604442E+00 1.877634E-10 1.551532E-09	2 490 -6 280 0 326 0 000 0 000	1.096 0.000 0.000	-C 111			
113	33848 1156 33848 1156	-7 799644E+00 -9 366444E-11	- 8.188 8.188	-3.725	0.000 -0.117 0.000			
114	34008 3176 34018 3679	1 320791E+01 -1 393471E-09	9 198 0 000 0 939 0 858 0 000 -1 587 0 000 0 815 0 000	-1.011 2.913 0.000 -0.231	0.068 0.800 0.000			
116 117 118	34008 3175 34018 3679 34287 8902 34287 8902 34897 2522 35008 3703 35017 8251 35129 9877 35526 9376 35626 5518 35831 3059	4.462774E+00 -5.026995E-11	-1.587 0.000 0.615	-0.231 0.000	-0 271 0 000		· · · · · · · · · · · · · · · · · · ·	
119	35008 3703 35017 8251	4.4527745+00 -5.0269955-11 1.4155885+00 2.2607845-11 -8.3084975-01 -7.7645715-11 1.3245735+00 8.652735-11	0 000 0 032	-0 342 0 000 -0 043 0 000 0 706	0.066 0.000 0.045		· · · · · · · · · · · · · · · · · · ·	
121 122 123	35526.9375 3552.5518	-7.764671E-11 1.324573E+00 8.662739E-11	0 000 -0 323 0 000	0.000 0.706	0.000 0.011			
124	35831.3059	9 662739E - 11 2 547697E+00	1.6%	-0.61()	8:191			
	3-LOAD.TAB;2 35987.9786 36083.6119	8 . 9705 1 1E+00 1 . 31470 1E - 10	DISKE: (KP00L -7.017 0.000		-0.292		16-DEC-	88 16 11 Pa
	35987 9786 36083 8119 36321 6573 36500 2374	8.970511E+00 1.314701E-10 1.745719E-10 -2.817708E-01	-7.047	3 · 967 0 · 000	-0.292 9.000 -0.000		16-DEC-	88 18 11 Pa
	35987 9786 36083 8119 36321 6573 36500 2374	8.970511E+00 1.314701E-10 1.745719E-10 -2.817706E-01 -3.995203E-10 -9.201638E+00 4.99688E-01	-7.017 0.000 0.000 -0.087 0.000 -8.020	3 987 0 000 0 000 0 113 0 000	0.000 -0.006 0.000		16-DEC-	88 16:11 Par
125 126 127 128 129 130 131 132	35987 9788 35083 6119 36321 6573 36500 2374 36500 2374 36500 2859 36986 2859 36986 37328 9177	8.870511E+00 1.314701E-10 1.745718E-10 -2.817708E-01 -3.99520SE-01 -9.20586E-00 4.99658E-01 -75100SE-11 5.058318E+00	-7.017 0.000 0.000 -0.087 0.000 8.000 -0.040 0.000	3 967 0 000 0 100 0 113 0 000 -6 906 -0 194 0 000	-0 292 0 000 0 000 -0 005 0 000 0 312 -0 015 0 000		16-DEC-	88 16 11 Pp.
125 126 127 128 129 130 131 132	35987 9788 35083 6119 36321 6573 36500 2374 36500 2374 36500 2859 36986 2859 36986 37328 9177	1 314701E - 10 1 745719E - 10 - 2 817708E - 01 - 3 995203E - 10 - 9 20368E - 00 4 999598E - 01 - 1 574251E - 10 9 75 10008E - 11	-7.017 0.000 0.000 -0.087 0.000 8.000 -0.040 0.000	3 967 0 000 0 100 0 113 0 000 -6 906 -0 194 0 000	-0 015 0 000 0 000		16-DEC-	88 16 11 Pp.
125 126 127 128 129 130 131 132	35987 9788 35083 6119 36321 6573 36500 2374 36500 2374 36500 2859 36986 2859 36986 37328 9177	8. 9705 11E+00 1. 314701E-10 1. 745718E-10 -2. 817708E-01 -3. 996203E-01 -9. 203638E-00 4. 999638E-01 9. 761003E-11 5. 056318E-00 1. 732424E-00 1. 732424E-01 -3. 72374E-11 -3. 72374E-11 -3. 72378E-10	-7.017 0.000 0.000 -0.087 0.000 8.000 -0.040 0.000	3 967 0 000 0 100 0 113 0 000 -6 906 -0 194 0 000	-0 015 0 000 0 000		16-DEC-	88 16 11 Pm
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125 126 127 128 129 130 131 132	35987 9788 35083 6119 36321 6573 36500 2374 36500 2374 36500 2859 36986 2859 36986 37328 9177	4 344398E-10 -3 723714E-11 -3 343782E-10 -3 95535E-00 -1 635536E-09 -1 205782E-09 -2 2856782E-00 -2 44328E-00 -3 578649E-10	-7.017 0.000 0.000 -0.087 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	3 967 0 000 0 100 0 113 0 000 -6 906 -0 194 0 000	-0.006 0.000 0.000 0.000 0.000 0.000 0.000 0.000		18-DEC-	88 16 11 Pm
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125 126 127 128 129 130 131 132 133 134 135 136 136 137 138 141 142 143 144 144 144 140 144 144 140 144 144 144	35987. 9786 36083. 8119 36321. 6573 36500. 2374 36502. 2129 36505. 8406 36900. 2809 36906. 5876 37328. 9177 27819. 3414 37645. 6084 37714. 2369 37918. 6084 37714. 3872 38141. 4341 38141. 4341 38214. 3872 38505. 8281 3809. 9281 38929. 3085 8929. 3085 8929. Load	4 344398E-10 -3 723714E-11 3 343782E-10 -3 95535E+00 1 935308E-09 1 205782E-09 -2 24525E-00 3 578649E-10 Modal Participation Factor	-7.017 0.000 0.000 -0.087 0.000 -0.000 -0.000 0.000 1.536 0.000 0.000 0.000 -1.256 0.000 0.000 -1.256 -1.338 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 0.000 -1.256 -1.338 0.0000 0.000	3.967 0.000 0.103 0.000 -6.905 -0.194 0.0000 0.000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		18-DEC-	88 16 11 Pm
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125 126 127 128 129 130 131 132 133 135 136 137 138 139 140 141 142 143 144 1Load Ca	35987. 9786 36083. 8119 36321. 6573 36500. 2374 36502. 2129 36505. 8406 36900. 2809 36906. 5876 37328. 9177 27819. 3414 37645. 6084 37714. 2369 37918. 6084 37714. 3872 38141. 4341 38141. 4341 38214. 3872 38505. 8281 3809. 9281 38929. 3085 8929. 3085 8929. Load	4 344398E-10 -3 723714E-11 3 343782E-10 -3 95535E+00 1 935308E-09 1 205782E-09 -2 24525E-00 3 578649E-10 Modal Participation Factor	-7.017 0.000 0.000 -0.087 0.000 -0.000 -0.000 0.000 1.536 0.000 0.000 0.000 -1.256 0.000 0.000 -1.256 -1.338 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 0.000 -1.256 -1.338 0.0000 0.000	3.967 0.000 0.113 0.000 0.113 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		18-DEC-	88 16 11 Pa
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126 127 128 129 129 130 131 132 133 135 136 137 138 139 140 141 142 143 144 144 145 146 147 148 150 151 151 152 153 154 155 156 157 158 159 159 159 159 159 159 159 159 159 159	35987. 9786 36083. 8119 36321. 6573 36500. 2374 36502. 2129 36505. 8406 36900. 2809 36906. 5876 37328. 9177 27819. 3414 37645. 6084 37714. 2369 37918. 6084 37714. 3872 38141. 4341 38141. 4341 38214. 3872 38365. 8281 38305. 8281 38305. 9281 38305. 9281 38305. 9281 38305. 9281 38305. 9281 38305. 9281 38305. 9281	4 344398E-10 -3 723714E-11 3 343782E-10 -3 95535E+00 1 935308E-09 1 205782E-09 -2 24525E-00 3 578649E-10 Modal Participation Factor	-7 .017 .0 .000 .000 .000 .000 .000 .000	3.967 0.000 0.113 0.000 0.113 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		18-DEC-	88 16 11 Pa
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126 126 127 128 129 130 131 132 133 136 137 138 139 140 141 142 143 144 1Load Ca 145 146 147 148 149 150 151 151 152 153 154 155 156 157 158 159 159 159 159 159 159 159 159 159 169 169 169 169 169 169 169 169 169 16	35987. 9786 36083. 8119 36321. 6573 36500. 2374 36502. 2129 36505. 8406 36900. 2809 36906. 5876 37328. 9177 27819. 3414 37645. 6084 37714. 2369 37918. 6084 37714. 3872 38141. 4341 38141. 4341 38214. 3872 38365. 8281 38305. 8281 38305. 9281 38305. 9281 38305. 9281 38305. 9281 38305. 9281 38305. 9281 38305. 9281	4 344398E-10 -3 723714E-11 3 343782E-10 -3 95535E+00 1 935308E-09 1 205782E-09 -2 24525E-00 3 578649E-10 Modal Participation Factor	-7 .017 .0 .000 .000 .000 .000 .000 .000	3.967 0.000 0.113 0.000 0.113 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		18-DEC-	88 16 11 Pa
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126 127 128 129 129 130 131 132 133 135 136 137 138 139 140 141 142 143 144 144 145 146 147 148 150 151 151 152 153 154 155 156 157 158 159 159 159 159 159 159 159 159 159 159	35987. 9786 36083. 8119 36321. 6573 36500. 2374 36500. 2374 36502. 2129 36900. 2809 36906. 5876 37328. 9177 37616. 6084 37714. 2389 37918. 6084 37714. 2389 37918. 6084 37918. 6084 38141. 4341 38141. 4341 38141. 3872 381506. 8281 38029. 3681 38029. 3681 38029. 3681	4 344398E - 10 -3 723714E - 11 -3 343792E - 10 -3 95535E + 00 1 635036E - 09 1 205782E - 09 2 245325E + 00 2 443225E + 00 2 443225E + 00 3 578649E - 10 Modal Participati / Participation Factor 7 304055E - 09 -3 785633E + 00 -1 804732E - 09 -1 134005E - 01 -3 233933E - 09 -1 134005E - 01 -3 233933E - 09 -1 134005E - 01 -3 233933E - 09 -1 134005E - 01 -3 233933E - 09 -1 134005E - 01 -3 233933E - 09 -5 16036E - 09 -6 165987 - 09 -5 165987 - 09 -5 165987 - 09 -5 165987 - 09 -5 165987 - 09 -6 1748E - 09 -6 1748E - 09 -6 1748E - 09 -6 1748E - 09 -6 1748E - 09 -7 1748E - 09	-7.017 0.000 0.000 -0.087 0.000 -0.000 -0.000 0.000 1.536 0.000 0.000 0.000 -1.256 0.000 0.000 -1.256 -1.338 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 -1.256 -1.338 0.000 0.000 0.000 0.000 -1.256 -1.338 0.0000 0.000	3.967 0.000 0.103 0.000 -6.905 -0.194 0.0000 0.000	0 0 15 0 0 00 0 000 0 000 0 000 0 000 0 000 0 000 0 000 0 170 0 428 0 000 0 170 0 428 0 000 0 170 0 428 0 000 0 170 0 428 0 000 0 170 0 428 0 000 0 00	B-17	16-DEC-	88 18·11 Par

174	3-LOAD . YAB; 2		DISK6: [KP	56 L]		18-DEC-88 18:
175	43049 7492 43183 3591 43183 0591 43180 0832 43414 7486 4360 8399 4383 0604 4382 3742 43928 8836 44081 3181 44081 5369 44493 4098 44796 1053 44796 4593 44839 2645 44972 1034 46005 5440	1.002878E-07 5.558226E+00	0.000 0.267 -0.089	0.000	0.000	10-PET-08 19:
175 176 177	43192 0767 43260 0832	1 002878 - 07 5 558228 - 00 -4 803617 - 01 1 311381 - 08 3 710504E+00 4 200585 - 00 -1 272503E+00 -2 37024 - 05 5 688053 - 05 -7 198418E-04	0.000	0.000 0.808 0.025 0.000	-0.006 0.000	
178 179 180	43650 8399	3.710504E+00 4.20058EE+00 7.142888E-08	-1 443 -0 063 - 888	0.875		
181 182	43822 3742 43928 8836	-1.2725036+00 -2.370241E+00 5.668063E-06	0.456 -0.079	0.367 0.600 0.151 -0.000 -0.184		
182	4436 3364	5 658063E - 06 1 529991E + 08	0.000	-0.184	-0.000	
185 186 187	44493 4098 44706 1052	-/ 198418E-04 -4.608479E-02	0.001 0.006	0.000	0.000 0.001	
187 188 189	44713 4062 44796 4593	4.581338E-06	0 006 0 000 0 000 0 004	0 000 0 000 0 015 0 000 0 000 0 701	8:888	
190	44839 . 2645 44972 . 1034	9.603364E-06 E 701306E-06	0 004 0 000 0 000 -0 875	0.000 0.000	0.001 0.000 0.000 -0.005	
192 pad Car	45005 5440 se (29) Losi	-1 5299918+00 -7 198418E-04 -4 608479E-02 -2 432616E-06 4 581338E-06 1 149858E-01 9 503364E-06 5 701306E-06 3 597336E+00 d Modal Particip	-0.875		-868€	
Mode		Participation Factor	Richal X Birection X 1.0E+02	Globel Y	Node 31obs 1 2	
mber 102	Frequency	Factor				·
193	45078 0141 45137 9279 45249 5779 45249 573 45420 3768 45491 7138 45683 793 45683 793 45683 793 45693 6488 46012 0464 46013 428 4613 428 4613 526 4613 648 4614 9639 46449 0639 46449 0639 46449 0639	1 588799E - 05 2 034763E+00 1 771774E+00	-0.000 -0.133	-0.000 -0.606 -0.030 0.000	-0.000 -0.039 -0.063 0.000 0.056	
195 196 197	45373 0696 45420 3768	2 971003E-05 -4 210195E+00	-0 380 0 000 0 000 0 000 0 000 0 000 0 000 0 000 0 000 -0 000 0 000 0 000 0 121 -0 121 -0 121 -0 000	-0.030 0.000 0.440	-0.063 0.000	
198	45491.7138 45683.7934	1.313409E-06 4.851407E-06	0.000	0.440	11 OKK	
200 201 202 203 204 206 206 207	45926 4220 45926 4220	3.955333E+00 6.747405E-07	0.081 9.000	0.000 0.664 0.000 -0.348 0.000 -0.056	-0.219 0.000	
203 204	46012 0464 46113 4228	-1 708472E+00 -8 153192E-04	0 .000 0 .223 0 .000	0.000 -0.348 0.000	-0.012	,
205	48235 2532 48320 8098	-1 293744E+00 -4 617420E-04	- <u>8 888</u>	-0.066 0.000	- 2.192	
207 208 209 210	46365.3678 46449.0939 48545.2805	1.039330E-01 -1.371621E-06	-0.024 0.000	-0 021 0 000	-0.001 0.000	
211	48585 4825 48695 9479	6 947697E+00	0.521	-0.021 0.000 0.000 0.367 -0.307 -3.128 0.000 0.563	0.000 0.251 0.034	
212 213 214	46830 2985 46863 9310	1.126300E+01 4.649010E-04	0.280	-0.307 -3.128 0.000	0.326	
214	47124 4595 47246 6260	4.718463E+00 -2.443982E-04	0.000 0.000	0.563 0.000	-0 222 0 666 0 600	
215 216 217 218	46449 0839 46545 3836 46585 4825 46685 9479 46883 9310 47124 459 47246 6260 47477 4131 47516 2502 47687 7419 47819 7419 47819 7419 47819 7419	2 038 7631 + 00 2 97 10032 - 05 -4 210 1965 + 00 1 313408 - 05 4 851407 - 05 3 955332 + 00 -747405 - 07 -8 958058 - 04 -1 708472 + 00 -4 6174205 - 01 -3 9152305 - 01 -3 91525 - 04 -1 203744 - 00 -4 6174205 - 01 -3 91525 - 04 -1 1263005 - 01 -1 37 1621 - 06 -6 947667 + 00 -1 1263005 + 01 -2 4439825 - 04 -2 4439825 - 04 -3 3231375 - 04 -1 1949205 + 01 -3 725525 - 04 -3 725525 - 04 -3 7255525 - 04 -3 7255525 - 04 -2 1394035 - 00	0 000 0 000 -0 935 0 000	0.000 -0.674	-0.151	
219 220 221 222	47819 7419 47886 2288	-1.194920E+01 -3.725692E-04	-0.182 0.000	1.210 0.000	0.000 -0.274 0.000	
221 222	47886 2288 47999 5792 48126 4540	4.895061E-04 2.139403E+00	0 000 6 23	-8:884	-0.013	
	-LOAD TAB;2		DISK6: [KPC	XXL)		
223 223 224 225		1 972798E - 04 -6 926246E - 04 -3 406342E + 00	•		0.000 0.000 0.000	16-DEC-88 16 1
223 224 226 227 227 228	48156 3311 48382 8807 48412 7807 48627 4962	1 872788E-04 -6 926246E-04 -3 405342E-00 4 72582E-04 -6 355025E-04 -7 555538E-00	0 000 0 000 -0 506 0 000	0.000 0.000 0.237 0.000	0.000 0.000 0.000	18-DEC-88 16 1
220 230	48156 3311 48382 8807 48412 7807 48627 4962	1 972798E-04 -6 925246E-04 -3 405342E-00 4 725128E-04 -6 355025E-04 -7 5555361-00 -8 10643E-04	0 000 0 000 -0 506 0 000	0.000 0.000 0.237 0.000	0.000 0.000 0.000 0.000 0.000 0.246 0.000	16-DEC-88 16 4
220 230	48156 3311 48382 8807 48412 7807 48627 4962	1 972798E-04 -6 928748E-04 -3 40542E-00 4 72582E-04 -5 35625E-04 -5 1565246-04 -8 196543E-04 -8 196543E-04 -8 19750E-00	0 000 0 000 -0 506 0 000	0.000 0.000 0.237 0.000	0.000 0.000 0.000 0.000 0.000 0.246 0.000 0.107 0.000 0.258	18-DEC-88 16 1
229 230	48156 3311 48382 8807 48412 7807 48627 4962	1 972798E-04 -5 92524E-00 -3 405342E-00 4 725828E-04 -7 85559E-04 -7 85559E-00 -1 171750E-00 1 77639E-00 3 017211E-04 2 484573E-04	0 000 0 000 -0 506 0 000	0.000 0.000 0.237 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.107 0.000 0.258 -0.000	18-DEC-88 16 1
229 230	48156 3311 48382 8807 48412 7807 48627 4962	1 872798E - 04 -6 928248E - 04 -3 405342E - 00 4 725428 - 04 -5 355025E - 04 -7 8555796 - 00 -8 199643E - 04 -8 258414E - 00 9 177750E - 00 1 778398E - 00 1 778398E - 00 1 778398E - 00 1 778398E - 00 1 78398E - 00 1 78398E - 00 1 307932E - 04 1 307992E - 04	0 000 0 000 -0 506 0 000	0.000 0.000 0.237 0.000	0.000 0.000 0.000 0.000 0.000 0.248 0.000 0.107 0.000 0.258 -0.007 0.000	16-DEC-88 16 4
229 229 221 221 221 221 221 221 221 221	48156 3311 48382 8807 48412 7807 48627 4962	1 972798E-04 -6 928748E-04 -3 40542E-00 4 725828E-04 -5 35625E-04 -5 55625-04 -6 196643E-04 -8 196643E-00 1 17750E-00 1 17750E-00 1 17760E-00 2 484573E-04 -1 20792E-04 -1 20792E-01 1 371057E-01	0 000 0 000 -0 506 0 000	0.000 0.000 0.237 0.000	0.000 0.000 0.000 0.000 0.000 0.107 0.000 0.258 -0.000 0.000 -0.000 0.000	18-DEC-88 16 1
2200 2201 2202 2202 2202 2202 2202 2202	48156 3311 48382 8807 48412 7807 48627 4962	1 972798E-04 -6 9252465-04 -7 405242E-00 4 72522E-04 -7 855598E-00 -8 199543E-00 -8 199543E-00 -177750E-04 -5 180006-00 1777538E-00 3 017211E-04 -1 20792E-04 -1 20792E-04 -1 20792E-01 -1 371057E-01 -4 477947E-01	0 000 0 000 -0 506 0 000	0.000 0.000 0.237 0.000	0,000 0,000 0,000 0,000 0,000 0,107 0,000 0,258 -0,000 0,000	18-DEC-88 16 1
228 2290 2231 2232 2231 2232 2234 2236 2236 2236 2236 2239 240 240 240	48156 3311 48382 8807 48412 7807 48627 4962	1 872798E-04 -6 928248E-04 -7 405342E-00 4 725828E-04 -7 855578E-00 -8 199543E-04 -8 258414E-00 9 177750E-00 1 778398E-00 3 017211E-04 2 484573E-04 -1 3207992E-04 -1 281907E-01 1 371057E-01 477947E-01	0 000 0 000 -0 506 0 000	0.000 0.000 0.237 0.000	0.000 0.000 0.000 0.000 0.000 0.100 0.100 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	18-DEC-88 16 4
228 2290 231 232 233 233 233 234 235 237 238 238 239 240 240 250 260 260 260 260 260 260 260 260 260 26	48156 3311 48382 8807 48412 7807 48627 4962	1 972798E-04 -6 928748E-04 -7 928748E-04 -7 92878E-04 -7 92878E-04 -7 92878E-04 -7 92878E-04 -7 92878E-04 -8 196648-04 -8 254814E-04 -5 180809E-00 177789E-04 -5 180809E-00 17789E-04 -1 130799E-04 -1 130799E-04 -1 20799E-04 -1 20799T-01 1 371057E-01 1 4 477947E-01 Modal Participal	0 000 0 000 -0 506 0 000	0.000 0.000 0.237 0.000	0.000 0.000 0.000 0.000 0.000 0.248 0.000 0.	18-DEC-88 16 4
229 229 2290 2312 2332 234 235 237 238 240 ad Casi ber 241 241 242 243	48156 3311 48382 8807 48412 7807 48627 4962	1 972798E-04 -6 92848E-04 -3 40542E-00 4 72828E-04 -5 35625E-04 -5 35625E-04 -5 35625E-04 -8 258414E-00 3 017211E-00 1 77638E-00 3 017211E-01 1 20992-04 1 20992-04 1 20992-04 1 20992-04 1 20992-04 1 20992-04 1 20992-04 1 20992-04 1 20992-04 1 20992-04 1 20992-04 1 20992-04 1 20992-04	0 000 0 000 -0 506 0 000	0.000 0.000 0.237 0.000	0.000 0.000 0.000 0.000 0.000 0.107 0.000 0.107 0.000 0.107 0.000	18-DEC-88 16 1
229 229 230 231 232 233 234 235 238 239 240 240 241 242 243 244 244 245	48156 3311 4232 6807 48412 7807 48427 4962 48653 9824 4872 2100 48972 5236 49338 1777 48345 8370 48442 948 48778 4751 48778 4751 48778 4751 48778 4751 65861 6325 65861 6325 65861 6325 67666 8726 68763 9709 68769 9985	-5 150605 -00 1 778398 -00 1 778398 -00 2 484573 -01 1 307992 -01 1 307992 -01 1 3710575 -01 4 4779475 -01 Hodal Participa Participation Factor -2 1568015 -02 -2 1234715 -01 -5 1044505 -03 2 448955 -01 7 0844815 -01	0.000 0.000	0.000 0.000 0.000 0.000 -0.001 0.000 0.000 0.000 0.000 1.040 0.000 0.000 0.000 0.000 0.000 0.000 1.046 0.000 0.000 0.000 1.046 0.000 0.000 0.000 1.046 0.000 0.000 0.000 0.000 1.046 0.0000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.00000	0.000 0.000 0.000 0.000 0.000 0.100 0.100 0.000 0.258 -0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0	18-DEC-88 16 ·
229 229 230 231 232 233 233 235 237 237 238 240 ad Cas ber 241 242 243 244 245 244 245 244 246 247	48156 3311 4232 6807 48412 7807 48427 4962 48653 9824 4872 2100 48972 5236 49338 1777 48345 8370 48442 948 48778 4751 48778 4751 48778 4751 48778 4751 65861 6325 65861 6325 65861 6325 67666 8726 68763 9709 68769 9985	-5 150605 -00 1 778398 -00 1 778398 -00 2 484573 -01 1 307992 -01 1 307992 -01 1 3710575 -01 4 4779475 -01 Hodal Participa Participation Factor -2 1568015 -02 -2 1234715 -01 -5 1044505 -03 2 448955 -01 7 0844815 -01	0.000 0.000	0.000 0.000 0.000 0.000 -0.001 0.000 0.000 0.000 0.000 1.040 0.000 0.000 0.000 0.000 0.000 0.000 1.046 0.000 0.000 0.000 1.046 0.000 0.000 0.000 1.046 0.000 0.000 0.000 0.000 1.046 0.0000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.00000	0.000 0.246 0.000 0.107 0.000 0.258 -0.007 0.000 0.000 0.006 0.006 0.014 -0.371 40de	18-DEC-33 16 ·
229 239 231 231 232 233 233 235 237 238 238 239 240 241 242 242 243 244 245 245 241 245 245 245 245 245 245 245 245 245 245	48156 3311 4232 6807 48412 7807 48427 4962 48653 9824 4872 2100 48972 5236 49338 1777 48345 8370 48442 948 48778 4751 48778 4751 48778 4751 48778 4751 65861 6325 65861 6325 65861 6325 67666 8726 68763 9709 68769 9985	-5 150605 -00 1 778398 -00 1 778398 -00 2 484573 -01 1 307992 -01 1 307992 -01 1 3710575 -01 4 4779475 -01 Hodal Participa Participation Factor -2 1568015 -02 -2 1234715 -01 -5 1044505 -03 2 448955 -01 7 0844815 -01	0.000 0.000	0.000 0.000 0.000 0.000 -0.001 0.000 0.000 0.000 0.000 1.040 0.000 0.000 0.000 0.000 0.000 0.000 1.046 0.000 0.000 0.000 1.046 0.000 0.000 0.000 1.046 0.000 0.000 0.000 0.000 1.046 0.0000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.00000	0.000 0.246 0.000 0.107 0.000 0.258 -0.067 0.000 0.000 0.000 0.000 0.000 0.000 0.004 -0.321 40de -12 0.102 0.005 0.006 -17.823 -1.78228E-01	18-DEC-88 16 ·
229 229 230 231 232 231 232 234 235 238 238 238 240 241 242 243 244 245 Unsaid Casi	48156 3311 4232 6807 48412 7807 48427 4962 48653 9824 4872 2100 48972 5236 49338 1777 48345 8370 48442 948 48778 4751 48778 4751 48778 4751 48778 4751 65861 6325 65861 6325 65861 6325 67666 8726 68763 9709 68769 9985	-5 150605 -00 1 778398 -00 1 778398 -00 2 484573 -01 1 307992 -01 1 307992 -01 1 3710575 -01 4 4779475 -01 Hodal Participa Participation Factor -2 1568015 -02 -2 1234715 -01 -5 1044505 -03 2 448955 -01 7 0844815 -01	0.000 0.000	0.000 0.000 0.000 0.000 -0.001 0.000 0.000 0.000 0.000 1.040 0.000 0.000 0.000 0.000 0.000 0.000 1.046 0.000 0.000 0.000 1.046 0.000 0.000 0.000 1.046 0.000 0.000 0.000 0.000 1.046 0.0000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.00000	0.000 0.246 0.000 0.107 0.000 0.258 -0.027 0.000 0.006 0.006 0.006 0.006 0.014 -9.371 toda 1 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /	18-DEC-33 16 ·
229 229 231 231 232 231 232 234 235 238 239 240 241 243 244 245 Unstantine Cast	48156 3311 4232 8807 48412 7807 48427 4962 48653 9824 4872 2100 48072 2100 48072 2100 48072 2100 480738 1777 49442 9488 48510 3251 40778 4751 48778 4751 4	-6 180405 -00 1 778398 -00 1 778398 -00 2 019211 -04 2 484573 -04 -1 32373 -01 1 3207992 -04 -1 2819078 -01 1 3710578 -01 4 4779478 -01 Hodal Participation -2 1568018 -02 -2 124718 -01 -5 104450 -03 2 448985 -01 7 0844818 -01 ys cal Load plied Load plied Load plied Load plied Load Participation Participation Participation Factor	0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.01	0.000 0.246 0.000 0.107 0.000 0.258 -0.067 0.000 0.000 0.000 0.000 0.000 0.000 0.004 -0.321 40de -12 0.102 0.005 0.006 -17.823 -1.78228E-01	18-DEC-33 16 ·
229 229 231 231 232 231 232 234 235 238 239 240 241 243 244 245 Unstantine Cast	48156 3311 4232 8807 48412 7807 48427 4962 48653 9824 4872 2100 48072 2100 48072 2100 48072 2100 480738 1777 49442 9488 48510 3251 40778 4751 4	-6 180405 -00 1 778398 -00 1 778398 -00 2 019211 -04 2 484573 -04 -1 323792 -04 -1 320792 -04 -1 289078 -01 1 3710578 -01 4 4779478 -01 Hodal Participation -2 1568018 -02 -2 124718 -01 -5 104450 -03 2 448985 -01 7 0844818 -01 ys cal Load plied Load plied Load plied Load plied Load Participation Participation Participation Factor	0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.01	0.000 0.246 0.000 0.107 0.000 0.258 -0.087 0.000 0.000 0.000 0.000 0.014 -0.371 40de -1.2 0.102 0.000 0.006 0.016 -1.78228E-01 40de -1.78228E-01 40de -1.78228E-01	18-DEC-88 16 ·
229 229 231 231 231 233 234 234 235 237 237 238 240 ad Cas: 40da 8es: Unsaid Cas: Unsaid Cas:	48156 3311 4232 8807 48412 7807 48427 4962 48653 9824 4872 2100 48072 2100 48072 2100 48072 2100 480738 1777 49442 9488 48510 3251 40778 4751 4	-6 180405 -00 1 778398 -00 1 778398 -00 2 019211 -04 2 484573 -04 -1 323792 -04 -1 320792 -04 -1 289078 -01 1 3710578 -01 4 4779478 -01 Hodal Participation -2 1568018 -02 -2 124718 -01 -5 104450 -03 2 448985 -01 7 0844818 -01 ys cal Load plied Load plied Load plied Load plied Load Participation Participation Participation Factor	0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.01	0.000 0.246 0.000 0.107 0.000 0.258 -0.087 0.000 0.000 0.000 0.000 0.014 -0.371 40de -1.2 0.102 0.000 0.006 0.016 -1.78228E-01 40de -1.78228E-01 40de -1.78228E-01	18-DEC-33 18 ·
229 229 230 231 232 231 232 234 235 238 238 238 240 8d Cass 4oda 8ber 241 243 244 245 Unstantiner	48156 3311 4232 8807 48412 7807 48427 4962 48653 9824 4872 2100 48072 2100 48072 2100 48072 2100 480738 1777 49442 9488 48510 3251 40778 4751 4	-6 180405 -00 1 778398 -00 1 778398 -00 2 019211 -04 2 484573 -04 -1 323792 -04 -1 320792 -04 -1 289078 -01 1 3710578 -01 4 4779478 -01 Hodal Participation -2 1568018 -02 -2 124718 -01 -5 104450 -03 2 448985 -01 7 0844818 -01 ys cal Load plied Load plied Load plied Load plied Load Participation Participation Participation Factor	0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.01	0.000 0.246 0.000 0.107 0.000 0.258 -0.087 0.000 0.000 0.000 0.000 0.014 -0.371 40de -1.2 0.102 0.000 0.006 0.016 -1.78228E-01 40de -1.78228E-01 40de -1.78228E-01	18-DEC-33 16 ·
229 229 230 231 232 234 235 235 237 237 240 240 241 242 243 245 245 245 245 245 245 245 245 245 245	48156 3311 4232 8807 48412 7807 48427 4962 48653 9824 4872 2100 48072 2100 48072 2100 48072 2100 480738 1777 49442 9488 48510 3251 40778 4751 4	-6 180405 -00 1 778398 -00 1 778398 -00 2 019211 -04 2 484573 -04 -1 323792 -04 -1 320792 -04 -1 289078 -01 1 3710578 -01 4 4779478 -01 Hodal Participation -2 1568018 -02 -2 124718 -01 -5 104450 -03 2 448985 -01 7 0844818 -01 ys cal Load plied Load plied Load plied Load plied Load Participation Participation Participation Factor	0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.016 0.311 Load in Each & Global Y Direction X 1.04-02 -4.132 0.001	0.000 0.246 0.000 0.107 0.000 0.258 -0.087 0.000 0.000 0.000 0.000 0.014 -0.371 40de -1.2 0.102 0.000 0.006 0.016 -1.78228E-01 40de -1.78228E-01 40de -1.78228E-01	18-DEC-33 16 ·
229 229 230 231 232 233 234 235 235 237 235 238 239 240 ad Cas: 40de Res: 40de 8de 8de 8de 8de 8de 8de 8de 8de 8de 8	48156 3311 4232 8807 48412 7807 48427 4962 48653 9824 4872 2100 48072 2100 48072 2100 48072 2100 480738 1777 49442 9488 48510 3251 40778 4751 4	-6 180405 -00 1 778398 -00 1 778398 -00 2 019211 -04 2 484573 -04 -1 323792 -04 -1 320792 -04 -1 289078 -01 1 3710578 -01 4 4779478 -01 Hodal Participation -2 1568018 -02 -2 124718 -01 -5 104450 -03 2 448985 -01 7 0844818 -01 ys cal Load plied Load plied Load plied Load plied Load Participation Participation Participation Factor	0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.016 0.311 Load in Each & Global Y Direction X 1.04-02 -4.132 0.001	0.000 0.246 0.000 0.107 0.000 0.258 -0.087 0.000 0.000 0.000 0.000 0.014 -0.371 40de -1.2 0.102 0.000 0.006 0.016 -1.78228E-01 40de -1.78228E-01 40de -1.78228E-01	18-DEC-88 16 ·
229 229 229 231 231 233 234 235 235 239 240 241 242 243 244 245 245 245 246 247 247 243 246 247 247 248 248 248 248 248 248 248 248 248 248	48156 3311 4232 8807 48412 7807 48427 4962 48653 9824 4872 2100 48072 2100 48072 2100 48072 2100 480738 1777 49442 9488 48510 3251 40778 4751 4	-6 180405 -00 1 778398 -00 1 778398 -00 2 019211 -04 2 484573 -04 -1 323792 -04 -1 320792 -04 -1 289078 -01 1 3710578 -01 4 4779478 -01 Hodal Participation -2 1568018 -02 -2 124718 -01 -5 104450 -03 2 448985 -01 7 0844818 -01 ys cal Load plied Load plied Load plied Load plied Load Participation Participation Participation Factor	0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.016 0.311 Load in Each & Global Y Direction X 1.04-02 -4.132 0.001	0.000 0.246 0.000 0.107 0.000 0.258 -0.087 0.000 0.000 0.000 0.000 0.014 -0.371 40de -1.2 0.102 0.000 0.006 0.016 -1.78228E-01 40de -1.78228E-01 40de -1.78228E-01	16-DEC-88 16 ·
229 229 230 231 232 231 232 234 235 238 238 238 240 36 Cas	48156 3311 4232 8807 48412 7807 48427 4962 48653 9824 4872 2100 48072 2100 48072 2100 48072 2100 480738 1777 49442 9488 48510 3251 40778 4751 4	-6 180405 -00 1 778398 -00 1 778398 -00 2 019211 -04 2 484573 -04 -1 323792 -04 -1 320792 -04 -1 289078 -01 1 3710578 -01 4 4779478 -01 Hodal Participation -2 1568018 -02 -2 124718 -01 -5 104450 -03 2 448985 -01 7 0844818 -01 ys cal Load plied Load plied Load plied Load plied Load Participation Participation Participation Factor	0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.016 0.311 Load in Each & Global Y Direction X 1.04-02 -4.132 0.001	0.000 0.246 0.000 0.107 0.000 0.258 -0.087 0.000 0.000 0.000 0.000 0.014 -0.371 40de -1.2 0.102 0.000 0.006 0.016 -1.78228E-01 40de -1.78228E-01 40de -1.78228E-01	
229 229 229 231 232 231 232 234 235 232 232 232 232 232 232 232 232 232	48156 3311 4232 8807 48412 7807 48427 4962 48653 9824 4872 2100 48072 2100 48072 2100 48072 2100 480738 1777 49442 9488 48510 3251 40778 4751 4	-6 180405 -00 1 778398 -00 1 778398 -00 2 019211 -04 2 484573 -04 -1 323792 -04 -1 320792 -04 -1 289078 -01 1 3710578 -01 4 4779478 -01 Hodal Participation -2 1568018 -02 -2 124718 -01 -5 104450 -03 2 448985 -01 7 0844818 -01 ys cal Load plied Load plied Load plied Load plied Load Participation Participation Participation Factor	0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.010	0.000 0.246 0.000 0.107 0.000 0.258 -0.027 0.000 0.006 0.006 0.006 0.006 0.014 -9.371 toda 1 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /	

IMPD03	-LOAD . TAB; 2		DYSKE: [KP00	•		· · · · · · · · · · · · · · · · · · ·	16-DEC-88 18:11
17	12852 4416 13652 5732 14220 0474	-3.886307E-11	0.000	0.000 5.392 -7.754 0.000	0 000 -0 126		
18	14374 8945	-1.820280E+00 4.398185E+00 5.346893E-11	-15 277 0 000	-7.752	-1 710 0 000		
21	14453 0410 14869 8609	-8 949324E+00	21.206	13.487 -0.071	1.774		
20 21 22 23 24 25 26	14929.8547	-8 949324E+00 -1 009481E+01 -4 230902E-10	21.206 -0.497 0.000	-9,971	-0.114 0.000		
24 25	15548 9861	-2 188908E+00 -1 850998E-01 -2 109098E-11	1 716	0.550 -0.060	0.586 -0.024		
- 26 -	18447, 4663 18796, 7514 16983, 0608	-2 100096E-11 -3 676771E+00	-0.051 0.000 1.034 0.000	0,000 0,550 -0,050 1,836 0,000 0,000 0,007 -0,007 0,000 0,000 0,000 0,000	0.586 -0.024 0.000 975 0.000		
28	16967.462U	~1.413794E=09	0 000	o∷ 866	Ŏ. ŎÓ Ŏ Ŏ. O OO		
29 30 31	17838 0283 18091 9781 18377 3672	-2.067844E-11 5.253415E+00 -1.672210E-01		0.047	0.274		
31 32	18396.8821	-1.672210E-01 -1.038032E-12	-0 028 0 000	-0.007 0.000	-0.014 0.000		
33	18512 4999	-1 733641E-11	0.000 -0.192	0.000	0 000 -0 020 0 000		
33 34 36 36 37	18567 4758 19086 3451	-1 038032E-12 -1 733641E-11 -4 863732E-01 -1 105812E-09 3 092270E-12	0 000 0 000	0 000 0 000	0.000		
37	19982 4040	3.092270E-12 7.783414E+00	13.459	-1.006	1,922		
38	20118 8672	3.0822/05-12 7.783414E+00 6.78448EE+00 7.283827E-01 1.20036E-10 1.403782E-10 8.514503E+00 2.12868E-10	-2 121 0 779	-0.398 -0.016	0.060		
40 41	20441 2134	1 220036E-10	0 000 0 000	0 000 0 000 3 332	0.060 0.000 0.000		
43	20894 0888 21073 9388 21118 2038	8.514503E+00	-10 168 8 000	3.332	- 1.578	 	· · · · · · · · · · · · · · · · · · ·
44	21282.1832	/.V94400E-!!	0.000	0.000	0.000		
45 46	21385 8993 21440 7917	3.580399E+00 8.821223E+00	-1 192 -2 838	0 134 -0 355	-0.308 -0.808		
47	21770.8601 21849,5806	8 381276E+00 2 620369E-01	4 300 0 017	-3.382 -0.224	0.976 0.004		
ad Cas		Modal Participat	ion Factors	Load in Each Mo			
Mode		Participation	Global X	Riobel V	Global Z		
MOOR	Frequency	Factor	Direction X 1.0E+02	Direction X 1.0E+02	Direction X 1 0E+02		
49	21873 7909 22122 6863 22459 5346 22485 3742 23456 9006 23479 0957	9.881966E-12 -1.291089E+00	0.000 -1.107	0.000 1.449	0.000 -0.109 0.706 0.000 0.000		
<u> </u>	22459 5346	-3 658459E+00 8 385466E-10	- 1 .275 0 600	- 1 .952 0 000	0.706 0.000		
<u> 53</u>	23456 9006	2 783615E-11	8:888	0.000	8∶668		
49 50 51 52 53 54 55 57		-1.543021E-11 5.668989E-01	-1.275 0.000 0.000 -0.326 -5.060 -0.000	0.446	-U UK1		
- [6	23851 5910 24154 0112	5.666989E-01 -4.077372E+00 3.906589E+00	-5.060 -0.505	-0.574 4.889	-0 479 -0 863 0 000		
ĒŘ		2.B07932E-11	0.000	0.000	0 000 0 000		
59 60	24706 4333 24973 2988 25213 9434 25411 5261	7 949636E - 11 4 391864E - 11 -1 797429E+00	-0.696 0.000	0.000	0.000		
62	26411.5261	-9.307196E-11	0.000	-0 229 0 000	0.000		
62 63 64	25946 2899 25984 7305 25971 4296	-9 307196E-11 -3 038060E-10 -2 786207E-00 -4 372881E-00	0 000 -0 778 1 120	0.000 -1.273 0.546	0 000 0 176 0 395		

• IMPD03	-LOAD TAB; 2		DISKE: [KPO	-			16-DEC-88 16
96 67	26162 9167 26969 7446 26461 0156 26737 2069 26786 8482 26999 0584	-2.3781696+00 6.703666-11 4.6805346+00	1.369 0.000 0.225 0.000 0.000	0 467 0 000 0 308 0 000 0 000	0 : 079 0 : 000		
68	26461 0166	4 5 05345+00	8.22	<u> </u>	-0 238 0 600		
89 70	26737 2069 26786 \$482	-3.306945E-11 3.182117E-11	0. 000	0 . 000 0 . 000	0.000		
$-\frac{71}{72}$	26999 0584 27351 6660	3 304111 +00 6 769224E -11 -1 366610E+00 2 419636E+00	-0.625 0.000	-0 327 0 000 0 106 0 999 0 000	8.636		
73 74	27361 6660 27822 3949 27865 2645 27973 9175	-1.366610E+00 2.419636E+00	0.317	0.105	-0.067 0.067 0.000		
	27973 9176		-2 153 0 000	<u> </u>	<u> </u>		
76 76 77	28065 8451 28168 4204	-2.216769E+00 -4.709097E-11	0.000	-0∶486 0∶000	0.000	4	
78	28587 4597 28636 4558	1.719745E+00 6.672694E-11	-1 192 0 000	1.362	0 000 -0 157 -0 000 -0 224 0 000		+
76 80 81	28656.3417	-2.476664E+00 5.312228E-12	2.974	-0.283 0.000	-0 224 0 000		
82	28065 8451 28168 4204 28567 4597 2856 3417 28947 6102 2965 5775	-3 552990E-10 -2 032000E+00	ŏ:ŏŏŏ	-0.485 0.000 1.382 0.000 -0.288 0.000 0.000 0.943	0.000 -0.128		y .
83	29613 5861 29799 0361 29958 2241 30041 7236 30206 5354 30216 2579 30718 7320	-6.148341E+00	-1.192 -1.192 -0.000 -0.000 -0.000 -0.723 -1.917	8 363	-0 25E		
85 86	29958 2241 30041 7236	-1.374121E+01 -9.483502E-11	-1.917 0.000	0.363 -4.561 0.000 0.000	0 238 -1 063 0 000 0 000		
97 98	30206 5354	-9.483602E-11 -6.888128E-10	2 418	9.000	- <u>8 898</u>	 	
89	30718 7320	3 6436245-01	-2.416 -0.024	0 074	0.075 -0.061 0.000		
90	30936 3833	2 89 106 95 +00	0.000 0.000 -2.418 -0.024 0.000 -1.552	0.000 0.013	A 449		
92 93	31017.5194 31188 3978	4.033221E-11 -4.384625E+00	0.000 1.717	0 074 0 074 0 000 0 013 0 000 -2 003 0 000	0.000 -0.737		
9 <u>4</u>	31219 1367 31337 8369	4 0332215 - 11 -4 3946255 + 00 -2 1974306 - 11 1 1779455 + 00 1 0664535 - 10	0.000	-2,403 0,000 -0,741	0.000 -0.737 0.000 0.025		
96	3 465 1486 • (30) Load	1.085453E-10	0.523	-0.741 8.880	8.868	· · · · · · · · · · · · · · · · · · ·	
O COST	e (30 / Louis	O MODULI PARTICIDALE	on factors Physical Rlobel X	Load in Each M	lode/		
Mode	· · · · · · · · · · · · · · · · · · ·	Participation	Direction X 1.0E+02	Direction X 1.0E+02	Direction		
Number	Frequency	Participation Factor	X 1.0E+02	X 1.0E+02	Direction X 1.0E+02		
97	31886.4818	-9. 0367855-11 -1. 4736235-11 -2. 1779828+00 -7. 5756765-02 -2. 6884785-10 -1. 438078-10 -2. 1247135-10 -2. 1247135-10 -2. 1247135-10 -2. 1247135-10 -2. 1247135-10 -2. 1247135-10 -2. 1247135-10 -2. 1247135-10 -2. 1247135-10 -2. 1247135-10 -2. 1247135-10 -2. 1247135-10	9-202	2.222	0,000 0,000 0,000 0,000		
98 98 100	31859 6827 31859 6827 31996 8426 32149 5738 32267 7877 32327 1828 32373 8583 32831 8218	-1.479543E-17 -2.177952E+00 7.575676E-02	0 600 -0 602 -0 622 -0 666	0.000 -0.287 0.006 0.000 0.000 3.638 0.000	0.038	;	
101	32149.5738 32267.7877	7.575678E-02 2.686478E-10	-0.022	0.008	0.009 0.000		
102 103	32327.1828	1.4300125-10	0 000 -e see 0 000	0.000	0.000 1.368 0.000		
104	32631.9218	3.8540568-11	0: 000	ŏ: ŏŏ ŏ	ģ∶ 5 86		
105 106 107	32831 9218 32996 4943 32919 5488 33285 6996 33696 2396 33696 2396 33696 7183	1,260820E+00	0.720	B 494	-0.123		:
107	33130 6488	-2.865185E+00 1.283408E+01	-4.081 0.763 0.000	2.511 2.629 0.000 0.000	-0 123 -0 299 -0 266		
108 109	33400 530	1.260047E-10	0.666	<u> </u>		· · · · · · · · · · · · · · · · · · ·	
110	33686 2301 33608 2366 33848 1156 33605 7183 34008 3176	1.897649E - 10 -1.189039E +00 5.572376E - 12 -2.754891E -01 2.828513E+00	0.000 1.379 0.000 -0.156	0,000 -0.506 0,000 0,108	0.000 -0.018 0.000 -0.011	E-19	
112	33848 1166	5.572376£-12	0.000	0,000	ŎĴŎÓŎ	13 I - J	

• IMPDO3-LOAD.TAB;2	DISKE:[KPOOL]		16-DEC-88 16:11 Page 19
115 34018.3679 -3.936853E-10 116 34287.8902 6.660366E+00 117 34559.0369 -3.506886E-10	0.000 0.000 -2.369 -0.345 0.000 0.000	0 000 -0 405 0 000	
118 34697.2522 5.166011E+00	2.244 -1.248 0.000 0.000	0.203 0.000	
120 35017.8251 -4.800591E+00 121 35129.9877 2.113586E-11 122 35526.9375 -1.165610E+01	0 186 -0 250 0 000 0 000 2 845 -6 212	0 262 0 600 -0 101	
122 36526 9375 -1 165610E-01 123 36552 5518 1 540221E-10 124 36831 3059 -2 058 635-01 125 36987 9786 -4 697680E-00 126 36083 6119 -9 861195E-11	2 845 -6 212 0 000 0 000 -0 135 0 041 3 674 -2 078 0 000 0 000	0 000	
126 36083 6119 -9 861195E-11 127 36321 5573 -1 366232E-10 128 36500 2374 -3 4409 11E-00 129 36502 2129 9 539608E-11	0.000 0.000	0 000 0 000	
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131 36960 2809 -1 2167585-01 132 36986 5875 -6 0707785-11 133 37328 9177 3 5263405-11	0.010 0.047 0.000 C.000	-0 028 0 004 0 000	
134 37619.3814 4.940827E+00	1 499 2 336 4 969 -0 036 0 000 0 000 0 000 0 000	0,098 -0.018	
137 37918.6451 -6.652880E-11	0 000 0 000	8.888	
139 38141.4341 -5.651226E-01 140 38214.3872 -5.188760E-10 141 38455.6499 4.283631E-09 142 38505.8261 -1.110070E+01 143 38929.3651 4.401275E+00			
144 39003 2085 2 0136955-09	-4.242 0.945 -3.491 -2.123 0.000 0.000	0.573 0.767 0.000	
1Load Case (30) Load Model Participat	tion Factors Physical Load in Each Global X Global Y	Mode/ Global Z	
Number Frequency Factor	X 1.0E+02 X 1.0E+02	Direction X 1.0E+02	
145 39212 0229 1.575174E-08 146 39229 5673 -5 369759E+00 147 39320 5892 -4 570119E-00 148 39446 4942 4 388350E-10	0.000 0.000 -0.350 0.477 1.934 -1.013	0.000 -0.881 1.085 0.000	
	. 0000 0000	0 000 -1 210	
150 33648 3726 - 7 8739 165-01 151 38752 5185 - 8 4988325-10 152 38858 5332 - 2 9320385-00 153 40008 7386 8 0334345-10 154 40275 3210 - 6 2877985-10 155 40283 8083 1 2980035-01 156 40415 7783 - 2 2268525-09 157 40576 4465 - 6 2781965-10 158 40480 0881 - 1 6032315-08 159 40881 8302 - 1 5587755-00	0 000 0 000	-1.210 0.042 0.000 -0.915	
163 40008 7386 8 033434 - 10 154 40278 2210 -6 287798 - 10 165 40293 8083 1 296003 - 01 156 404 15 7783 - 2 226822 - 09 157 40576 4465 -6 2781965 - 10	0.000 0.000 -0.452 0.817 -0.000 0.000 0.000 0.000 0.000 -0.000 0.000 0.000 0.000 0.000 -0.126 0.266 -0.045 0.256 -0.088 0.294 -0.817 -0.101	-0.915 0.000 0.000 -0.014	
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160 40847 6838 6 892637E-01 161 40978 6867 5 231258E-01 162 41198 3420 3 371670E+00 163 41291 0252 1 420140E-09	-0 817 -0 101 0 000 0 000	0 152 0 000	
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* IMPDO3-LDAD TAB; 2	DISK6:[KPOOL]		16-DEC-88 16:11 Place 20
·	DISK6:[KP00L] -0.551 -0.373	0.283	16-DEC-88 16:11 Page 20
184 41341.4451 -1.958439E+00 185 41356.1824 8.017077E-09	-0.551 -0.373 0.000 0.000	9-888	16-DEC-88 16:11 Page 20
184 41341.4451 -1.958439E+00 185 41356.1824 6.017077E-09 196 41634.8702 5.924774E-11 167 41847.3430 2.151734E+00 168 42225.3819 -3.258037E+00 189 4224.5521 2.023015E-09	-0.551 -0.373 0.000 0.000 0.000 0.000 0.002 -0.866 -0.823 1.988 0.000 0.000	0, 062 0, 207 0, 200 0, 600	18-DEC-88 16:11 Page 20
184 41341.4451 -1.958439E+00 185 41355 1824 6.017077E-09 196 41634.6702 5.924774E-11 167 41847.3430 2.151734E+00 168 4225.3319 -3.256037E+00 168 42244 5521 2.02307E-09 170 4245 4401 -1.224357E-09 171 42443.3823 5.806884E-02	-0.551 -0.373 0.000 0.000 0.000 0.000 0.002 -0.866 -0.823 1.988 0.000 0.000 0.000 0.000	0.052 0.207 0.600 0.000 -0.000 -0.183	16-DEC-88 16:11 Page 20
184 41341.4451 -1.958439E+00 185 41355 1824 6.017077E-09 196 41634.6702 5.924774E-11 167 41847.3430 2.151734E+00 168 4225.3319 -3.256037E+00 168 42244 5521 2.02307E-09 170 4245 4401 -1.224357E-09 171 42443.3823 5.806884E-02	-0.551 -0.373 0.000 0.000 0.000 0.000 0.002 -0.866 -0.823 1.988 0.000 0.000 0.000 0.000	0.052 0.207 0.600 0.000 -0.000 -0.183	16-DEC-88 16:11 Page 20
184 41341.4451 -1.958439E+00 185 41355 1824 6.017077E-09 196 41634.6702 5.924774E-11 167 41847.3430 2.151734E+00 168 4225.3319 -3.256037E+00 168 42244 5521 2.02307E-09 170 4245 4401 -1.224357E-09 171 42443.3823 5.806884E-02	-0.551 -0.373 0.000 0.000 0.000 0.000 0.002 -0.866 -0.823 1.988 0.000 0.000 0.000 0.000	0.052 0.207 0.600 0.000 -0.000 -0.183	18-DEC-88 16:11 Page 20
184 41341.4451 -1.958439E+00 185 41355 1824 6.017077E-09 196 41634.6702 5.924774E-11 167 41847.3430 2.151734E+00 168 4225.3319 -3.256037E+00 168 42244 5521 2.02307E-09 170 4245 4401 -1.224357E-09 171 42443.3823 5.806884E-02	-0.551 -0.373 0.000 0.000 0.000 0.000 0.002 -0.866 -0.823 1.988 0.000 0.000 0.000 0.000	0.052 0.207 0.000 0.000 -0.183 -0.061 0.000 0.077 0.074 -0.003 0.000	16-DEC-88 16:11 Page 20
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184 41341.4451 -1.958439E+00 185 41355.1824 6.017077E-08 195 41634.8702 5.924774E-11 167 41847.3430 2.151734E+00 168 4225.3819 -3.258037E+00 168 42245.3819 -3.258037E+00 170 42445.4401 -1.224357E-09 171 42443.3823 5.806884E-02 172 42587.8411 -6.529521E+00 173 4287.8411 -6.529521E+00 174 43049.7492 -2.189831E-09 175 43153.3591 -6.170588E+00 176 43192.0757 5.42847E+00 177 43260 178 43192.0757 5.42847E+00 179 43414.7496 -6.461641E-00 179 43650.8399 -4.314654E-01 180 43583.0604 -1.228379E-07 181 43122.3742 -6.945328E-01 182 43282.8356 -0.100614E-01 183 44081.3161 -4.019323E-06 184 44361.0394 -1.474484E+00 185 44426.5356 -4.104836E-05 186 44431.4098 -2.28172E+00 187 44706.1063 -7.307434E-06 188 44731.4082 -2.28172E+00 187 44706.1063 -7.307434E-06 188 44731.4082 -2.28172E+00 187 44706.1063 -7.307434E-06 188 44731.4082 -2.28172E+00 190 44839.2656 -1.28172E+00 191 44972.1034 -1.555736E-05 191 44972.1034 -1.555736E-05 191 44972.1034 -1.555346E-05 191 44972.1034 -1.555346E-05 191 44972.1034 -1.555346E-05 192 45005.6440 -1.250346E-05 193 44509.6650 -1.550346E-05	-0.551 -0.373 0.000 0.000 0.000 0.000 0.002 -0.866 -0.823 1.988 0.000 0.000 0.003 0.000 0.003 0.008 1.996 -2.802 0.215 -1.085 0.000 0.000 -0.298 -0.572 1.044 -0.298 1.044 -0.298 1.044 -0.298 0.000 0.000 2.514 -1.76 0.007 -0.037 0.000 0.000 -0.248 0.083 -0.000 0.000 -0.248 0.083 0.000 0.000 -0.000 0.000	0.052 0.207 0.000 0.000 0.000 0.000 0.000 0.077 0.074 0.078 0.003 0.000 0.003 0.000	16-DEC-88 16:11 Page 20
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184 41341.4451 -1.958439E+00 185 41355.1824 6.017077E-08 195 41634.8702 5.924774E-11 167 41847.3430 2.151734E+00 168 4225.3819 -3.258037E+00 168 42245.3819 -3.258037E+00 170 42445.4401 -1.224357E-09 171 42443.3823 5.806884E-02 172 42587.8411 -6.529521E+00 173 4287.8411 -6.529521E+00 174 43049.7492 -2.189831E-09 175 43153.3591 -6.170588E+00 176 43192.0757 5.42847E+00 177 43260 178 43192.0757 5.42847E+00 179 43414.7496 -6.461641E-00 179 43650.8399 -4.314654E-01 180 43583.0604 -1.228379E-07 181 43122.3742 -6.945328E-01 182 43282.8356 -0.100614E-01 183 44081.3161 -4.019323E-06 184 44361.0394 -1.474484E+00 185 44426.5356 -4.104836E-05 186 44431.4098 -2.28172E+00 187 44706.1063 -7.307434E-06 188 44731.4082 -2.28172E+00 187 44706.1063 -7.307434E-06 188 44731.4082 -2.28172E+00 187 44706.1063 -7.307434E-06 188 44731.4082 -2.28172E+00 190 44839.2656 -1.28172E+00 191 44972.1034 -1.555736E-05 191 44972.1034 -1.555736E-05 191 44972.1034 -1.555346E-05 191 44972.1034 -1.555346E-05 191 44972.1034 -1.555346E-05 192 45005.6440 -1.250346E-05 193 44509.6650 -1.550346E-05	-0.551 -0.373 0.000 0.000 0.000 0.000 0.000 -0.866 -0.823 1.988 0.000 0.000 0.003 0.000 0.003 0.008 1.996 -2.802 0.215 -1.085 0.000 0.000 -0.298 -0.572 1.044 -0.298 0.000 0.000 2.514 -1.76 0.007 -0.037 0.000 0.000 -0.248 0.083 -0.000 0.000 -0.107 -0.177 0.000 0.000 -0.107 -0.177 0.000 0.000 -0.000 0.000 -0.000 0.000 -0.000 0.000 -0.107 -0.177 0.000 0.000 -0.107 -0.177 0.000 0.000 -0.107 -0.177 0.000 0.000 -0.107 -0.177 0.000 0.000 -0.107 -0.177 0.000 0.000 -0.107 -0.177 0.000 0.000 -0.304 0.000 -0.305 0.000 -0.304 0.000 -0.304 0.244 tion Eactors	0.052 0.207 0.000 0.000 0.000 0.000 0.077 0.074 0.000 0.078 0.000 0.003 0.000 0.003 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000	16-DEC-88 16:11 Page 20
184 41341.4451 -1.958439E+00 185 41355.1824 6.017077E-08 195 41634.8702 5.924774E-11 167 41847.3430 2.151734E+00 168 4225.3819 -3.258037E+00 168 42245.3819 -3.258037E+00 170 42445.4401 -1.224357E-09 171 42443.3823 5.806884E-02 172 42587.8411 -6.529521E+00 173 4287.8411 -6.529521E+00 174 43049.7492 -2.189831E-09 175 43153.3591 -6.170588E+00 176 43192.0757 5.42847E+00 177 43260 178 43192.0757 5.42847E+00 179 43414.7496 -6.461641E-00 179 43650.8399 -4.314654E-01 180 43583.0604 -1.228379E-07 181 43122.3742 -6.945328E-01 182 43282.8356 -0.100614E-01 183 44081.3161 -4.019323E-06 184 44361.0394 -1.474484E+00 185 44426.5356 -4.104836E-05 186 44431.4098 -2.28172E+00 187 44706.1063 -7.307434E-06 188 44731.4082 -2.28172E+00 187 44706.1063 -7.307434E-06 188 44731.4082 -2.28172E+00 187 44706.1063 -7.307434E-06 188 44731.4082 -2.28172E+00 190 44839.2656 -1.28172E+00 191 44972.1034 -1.555736E-05 191 44972.1034 -1.555736E-05 191 44972.1034 -1.555346E-05 191 44972.1034 -1.555346E-05 191 44972.1034 -1.555346E-05 192 45005.6440 -1.250346E-05 193 44509.6650 -1.550346E-05	-0.551 -0.373 0.000 0.000 0.000 0.000 0.000 -0.866 -0.823 1.988 0.000 0.000 0.003 0.000 0.003 0.008 1.996 -2.802 0.215 -1.085 0.000 0.000 -0.298 -0.572 1.044 -0.298 0.000 0.000 2.514 -1.76 0.007 -0.037 0.000 0.000 -0.248 0.083 -0.000 0.000 -0.107 -0.177 0.000 0.000 -0.107 -0.177 0.000 0.000 -0.000 0.000 -0.000 0.000 -0.000 0.000 -0.107 -0.177 0.000 0.000 -0.107 -0.177 0.000 0.000 -0.107 -0.177 0.000 0.000 -0.107 -0.177 0.000 0.000 -0.107 -0.177 0.000 0.000 -0.107 -0.177 0.000 0.000 -0.304 0.000 -0.305 0.000 -0.304 0.000 -0.304 0.244 tion Eactors	0.052 0.207 0.000 0.000 0.000 0.000 0.077 0.074 0.000 0.078 0.000 0.003 0.000 0.003 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000	16-DEC-88 16:11 Page 20
184 41341.4451 -1.958439E+00 185 41358.1824 6.017077E-08 196 41634.6702 5.924774E-11 167 41847.3430 2.151734E+00 168 4225.3319 -3.256037E-00 188 42214.8521 -2.023015E-09 170 4243.6401 -1.224357E-09 171 42443.3823 5.806884E-02 172 42587.8411 -6.529521E+00 173 4287.8411 -6.529521E-00 174 43049.7492 -2.189831E-08 175 43163.3591 -6.170586E-00 178 43192.0757 5.42647E+00 177 43260.0832 -1.720171E-07 178 43414.7486 -6.461641E-00 179 43650.8399 -4.319458E-01 180 43883.0604 -1.228379E-07 181 43822.2782 -8.4828E-01 182 43828.6836 -9.100614E-01 183 44081.3161 -4.018323E-08 184 44361.0394 -1.474684E-00 185 44426.5559 -4.104858-06 186 44426.5559 -4.104858-06 187 44705.1053 -7.307434E-06 188 44713.4062 -7.307434E-06 189 44972.1034 -1.955942E-05 190 44893.2646 -2.248172+00 110 44893.2646 -2.248172+00	-0.551 -0.373 0.000 0.000 0.002 -0.866 -0.823 1.888 -0.600 0.000 0.003 0.000 0.003 0.000 0.003 0.000 1.996 -2.802 0.216 -1.085 0.000 0.000 -0.296 -0.572 1.044 -0.299 0.000 0.000 2.514 -1.176 0.000 0.000 2.514 -1.176 0.000 0.000 0.000 0.000 -0.391 0.0000 0.000	0.0527 0.207 0.000 0.000 0.000 0.000 0.000 0.001 0.000 0.003 0.003 0.003 0.003 0.000 0.003 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000	18-DEC-88 16:11 Plage 20

* PMP003-L	DAD TAB; 2		DISK8:[KP	30L)					16-DEC-88 16	5: 11
213 4 214	16863 . 9310 17124 . 4595	9.595276E-04 3.596896E+00 -7.136725E-04 -6.889420E-04	0.000 9.000 8.001	0.000	0.000				10	, , ,
216 216	7124 4505 7246 6260 7477 4131	-7 136725E-04 -5 889420E-04	0.000	0 430 0 000 0 000	-0.189 0.000 0.000 -0.066 0.000 0.000 0.000				···	
217 4	17515.2502		-0.343 -0.001 0.254 0.000	-0:247	-0.066					
219 4 220 4	7697 1266 17819 7419 17886 2288	1 14145 1 - 03 1 8698 23 + 01 -8 262904 - 04 9 962243 - 04 2 560350 - 00	0.000	-0.247 0.000 -1.600 0.000 0.000	8 302					
221 4 222 4	17999 6792	9 962243E-04 2 560350E+00	~0.001	0 000 -0 723	0.000					
222 223 224 226 226 227	8126.4540 8156.3311 8382.6607	1.66874E-04 -1.366373E-03	0.000	-0.723 0.000 0.000	-0 016 0 000 0 000 -0 054 0 000					
225 4 226 4	LEA12 7807	1.88874E-04 -1.386373E-03 3.894789E+00 1.192008E-03 -1.070739E-03	0 549 0 666 0 666	-0.257 -0.001 -0.001	-0.064					
227 4 228 4	8627 4962 8653 9824 8828 4441	-1.070739E-03 -7.503498E+00	8 868 5 843	-8:881 -0:886	0 000 0 245					
229 4	18972 2100	-1 269724F-03	-0.843 0.000 0.518	-0.986 0.001 -0.370	0.245 0.001 -0.105 0.000					
231 4 232 4	しはさまだ ようづい	8 136205E+00 1.272901E-03 -1 082939E+00	0.518 0.000 0.189	-0.270 0.600 -0.223	0.000 0.064			 -		
233 4 234 4	9442 9498 9510 3251 9778 4751	8 . 223137E+00 1 579406E-03 5 . 208839E-04	0.918		-0.448 0.000 0.000					
236 4 236 4	9778 4761 19796 5998	5.208839E-04 5.624129E-01	0 000 0 000 0 008	0 000 0 000 -0 062	0.000 0.000	 -				
237 4	9946 7558	5.624129E-01 -4.526790E-03 -4.282290E+01 -6.682428E-02 -2.179628E+01	0.001	-0.001	~0 00°					
240 R	SECONDE 2180	-6.682428E-02 -2.179628E+01	1 281 0.008 -2.910	-2 406 -0 508 -0 152	-0.86 7					
Load Case	(30) Load	I MOGEL PETTICIPET	ion Factors		0,181					
Mode		Participation	Global X	Global V	Blobs Z	· · · · · · · · · · · · · · · · · · ·				
	Frequency	Factor	Direction X 1.0E+02	Direction X 1.0E+02	Direction X 1.0E+02					
241 6 242 6	7608 5292 7686 8736	6.424402E-03 1.128932E+01	0.000	0.001 2.200 0.000	0.001					
243 5	8783 0925 9783 9709 9789 9985	- 1 . 262799F - 0 3	-0.690 0.000 -2.137	₫ : 600	-0.065 0.000 -0.746					
245 6		2.942836E+01 8.559638E-01	-8.001	-0.061	-8:705 -8:705			- · · · · · · · · · · · · · · · · · · ·		
Résul!	tant of AD	ysical Loads	41.639 44.080	0.004 -1.022	-18.179 -17.826					
Unsca Load Case	ed Ap	Plied Load	4.40802E-01 ion Factors	-1.02203E-02	-1.78248E-01					
		7-	Global X Direction X 1.0E+02	Load in Each i	Riobei Z					
Mode Number 1	Frequency	Participation Factor	Direction X 1.0E+02	Direction	Direction X 1.0E+02	- **				
1	1822 6363 2249 4185	-2.537515E-14								
9 .	2249.4185	3 948938E - 13 2 284772E+00	0.000 -0.603	0 000 -0 207	9 900 8 888 -8 395					
3 '	3945 7726		0.700	- ^ ^ 6 6 6	10 607					
3 3	3945.7726 4100.80 6 4	-5.521839E+00 -1.189903E-12	0.000	0.000	0.000					
3 4	3945 7726 4100 8084 5075 8364 7894 4050	-2 537515E-14 3 948938E-13 2 284772E+00 -5 521839E+00 -1 180903E-12 -9 489610E-13	0 599 0 000 0 000	-0 398 0 000 0 000	-8 395 10 507 0 808					
* IMP003-LI	7894 . 4050 OAD . TAB; 2		DISKE: [KPO		8.888				16-DEC-88 18	-11
* IMP003-LI	7894 . 4050 OAD . TAB; 2		DIŠKĖ: (KPO	OL]	0.000				16-DEC-88 16	
• IMPD03-LI	OAD. TAB; 2 8093.0623 8831.5289 0727.9254		DISK6: (KPO 0.000 0.000 -1.561	OL]	0.000				16-DEC-88 16	:11
• IMPD03-LI	0AD TAB; 2 8093 0623 8231 5286 0727 9254 9231 8538 9945 8979	-1.199510E-11 4.371792E-11 -2.708698E+00 -1.82793E-09 8.42339E+00	DISK6: (KPO 0.000 0.000 -1.561 0.000 -12.929	0.000 0.000 -6.745 0.000 5.833	0.000				16-DEC-88 16	:11
• IMPDO3-LI 7 8 9 10 11 12 11 13 11 14 11 14	0AD TAB; 2 8093 0623 8231 5286 0727 9254 9231 8538 9945 8979	-1.199510E-11 4.371792E-11 -2.708698E+00 -1.82793E-09 8.42339E+00	DISK6: (KPO 0.000 0.000 -1.561 0.000 -12.929	0.000 0.000 -6.745 0.000 5.833	0.000 0.000 -3.427 -3.279 -3.279 -3.479				16-DEC-88 16	:11
• IMPDO3-LI	0AD TAB; 2 8093 0623 8231 5286 0727 9254 9231 8538 9945 8979	-1.199510E-11 4.371792E-11 -2.708698E+00 -1.82793E-09 8.42339E+00	DISK6: (KPO 0.000 0.000 -1.561 0.000 -12.929	0.000 0.000 -6.745 0.000 5.833	0.000 0.000 -3.427 0.000 -13.719 -3.210 1.479 -5.840				16-DEC-88 16	:11
* IMPDO3-LI 7 9 10 11 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 12	0AD TAB; 2 8093 0623 8231 5286 0727 9254 9231 8538 9945 8979	-1.199510E-11 4.371792E-11 -2.708698E+00 -1.82793E-09 8.42339E+00	DISK6: (KPO 0.000 0.000 -1.561 0.000 -12.929	0.000 0.000 -6.745 0.000 5.833	0.000 0.000 -3.427 0.000 -13.719 -3.210 1.479 -5.840				16-DEC-88 16	: 11
• IMPDO3-LI 7 19 10 11 12 11 15 11 1	0AD TAB; 2 8093 0623 8231 5286 0727 9254 9231 8538 9945 8979	-1.199510E-11 4.371792E-11 -2.708698E+00 -1.82793E-09 8.42339E+00	DISK6: (KPO 0.000 0.000 -1.561 0.000 -12.929	0.000 0.000 -6.745 0.000 5.833	0.000 0.000 -3.427 0.000 -13.719 -3.210 1.479 -5.840				16-DEC-88 16	: 11
• IMPDO3-LI 7	0AD TAB; 2 8093 0623 8231 5286 0727 9254 9231 8538 9945 8979	-1.199510E-11 4.371792E-11 -2.708698E+00 -1.82793E-09 8.42339E+00	DISK6: (KPO 0.000 0.000 -1.561 0.000 -12.929	0.000 0.000 -6.745 0.000 5.833	0.000 0.000 -3.427 0.000 -13.719 -3.210 1.479 -5.840				16-DEC-88 16	: 11
• IMPDO3-LI 7	0AD TAB; 2 8093 0623 8231 5286 0727 9254 9231 8538 9945 8979	-1.199510E-11 4.371792E-11 -2.708698E+00 -1.82793E-09 8.42339E+00	DISK6: (KPO 0.000 0.000 -1.561 0.000 -12.929	0.000 0.000 -6.745 0.000 5.833	0.000 0.000 -3.427 0.000 -13.719 -3.210 1.479 -5.840				16-DEC-88 16	: 11
• IMPDO3-LI 7	0AD TAB; 2 8093 0623 8231 5286 0727 9254 9231 8538 9945 8979	-1.199510E-11 4.371792E-11 -2.708698E+00 -1.82793E-09 8.42339E+00	DISK6: (KPO 0.000 0.000 -1.561 0.000 -12.929	0.000 0.000 -6.745 0.000 5.833	0.000 0.000 -3.427 0.000 -13.719 -3.210 1.479 -5.840				16-DEC-88 16	: 11
• IMPDO3-LI 7	0AD TAB; 2 8093 0623 8231 5286 0727 9254 9231 8538 9945 8979	-1.199510E-11 4.371792E-11 -2.708698E+00 -1.82793E-09 8.42339E+00	DISK6: (KPO 0.000 0.000 -1.561 0.000 -12.929	0.000 0.000 -6.745 0.000 5.833	0.000 0.000 -3.427 0.000 -13.719 -3.210 1.479 -5.840				16-DEC-88 16	: • •
* IMPOO3-Li * IMP	0AD TAB; 2 8093 0623 8231 5286 0727 9254 9231 8538 9945 8979	-1.199510E-11 4.371792E-11 -2.708698E+00 -1.82793E-09 8.42339E+00	DISK6: (KPO 0.000 0.000 -1.561 0.000 -12.929	0.000 0.000 -6.745 0.000 5.833	0.000 0.000 -3.427 0.000 -13.719 -3.210 1.479 -5.840				16-DEC-88 16	: 11
* IMPOO3-Li * IMP	0AD TAB; 2 8093 0623 8231 5286 0727 9254 9231 8538 9945 8979	-1.199510E-11 4.371792E-11 -2.708698E+00 -1.82793E-09 8.42339E+00	DISK6: (KPO 0.000 0.000 -1.561 0.000 -12.929	0.000 0.000 -6.745 0.000 5.833	0.000 0.000 -3.427 0.000 -13.719 -3.210 1.479 -5.840				16-DEC-88 16	: 11
* IMPOO3-Li * IMPOO3-Li 7 9 10 11 12 13 14 15 16 17 18 19 19 10 11 12 11 12 13 14 15 16 17 18 19 20 21 22 24 25 26 27 28 29 20 20 20 20 20 20 20 20 20 20	0AD TAB; 2 8093 0623 8231 5286 0727 9254 9231 8538 9945 8979	-1.199510E-11 4.371792E-11 -2.708698E+00 -1.82793E-09 8.42339E+00	DISK6: (KPO 0.000 0.000 -1.561 0.000 -12.929	0.000 0.000 -6.745 0.000 5.833	0.000 0.000 -3.427 0.000 -13.719 -3.210 1.479 -5.840				16-DEC-88 16	: • •
* IMPOO3-Li * IMP	0AD TAB; 2 8093 0623 8231 5286 0727 9254 9231 8538 9945 8979	-1.199510E-11 4.371792E-11 -2.708698E+00 -1.82793E-09 8.42339E+00	DISK6: (KPO 0.000 0.000 -1.561 0.000 -12.929	0.000 0.000 -6.745 0.000 5.833	0.000 0.000 -3.427 0.000 -13.719 -3.210 1.479 -5.840				16-DEC-88 16	: \$ \$
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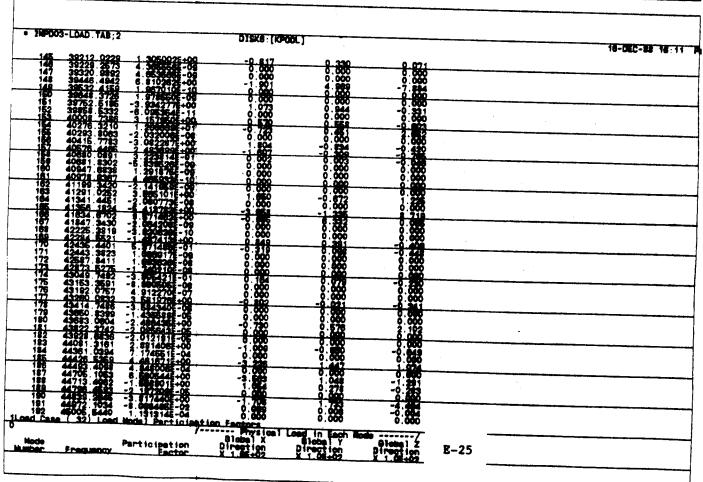
1MP003-L0	DAD TAB: 2		DISKE: [KPOOL				16-DEC-88 16:11	P
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123 3	6526 9376 6552 6518 5831 3069	-1 00406-38-401 -1 5264177-10 -1 8830288-00 -1 7294622-10 1 2623224-00 1 2525088-10 3 7471528-00 1 5209138-11 -1 2464308-00 6 644088-11	-1.718	-0.231 0.000 0.000	-3,050 0,000 -0,000 0,000 0,000			
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139	38141.4341 38214.3872	1 034600E-09 3 477402E+00	-0.580	-0.061	-1.178		-	
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113	44361 3364 44361 3364	-2.727884E+00 -1.699208E-03	0.000 -1.370 0.000	0 0 0	0.000			
186	44493 4098 44796 1963	-9 6666726-04 -4 82 14036-00		0 614 0 000 -0 735 -0 243 0 000	ŏ: ŏŏŏ ŏ			
189	44796 4593 44839 2645	-4 325 102E +00 -5 082331E +00 -5 082331E +00 4 070885E +00 3 323658E +00 3 323658E +00 -1 072765E -08 3 12267E -08 3 12267E +00 3 12267E +00 9 513267E +00 2 10262E +00 2 10262E +00 2 10262E +00 2 10262E +00 -1 08622E +00	-0 923 0 000 -2 968 0 278 0 000	2.912	0 505 0 505 -7 503 -7 503			
191 192 ad Car	43822.3742 43928.8636 44081.3181 44361.0584 44465.6089 44463.4098.4098 44706.1063 44713.4082 44786.4683 44839.2645 44839.2645 44839.2646 45005.8440	Model Perticises	PION FROTOPE	8:886				
Mode		Participation	Global X Direction X 1.05+02	Richal Y	Globel Z Direction			
mber	Frequency			-9 948	Direction X 1.06+02			
186	45079 0141 45137 9279 4529 5757 45373 0696 45420 3758 45491 7138 45683 7934 45703 0805 45896 4220 45990 8488	-5.054961E+00 -3.083502E-05 -4.28530E-05 6.02530E-00 6.676244E-05 -2.812580E-00 -2.812580E-00 5.081630E-00 -0.525252E+00	0 600 0 000	-3 265 0 666 0 666	0 000 0 000	· . · · · · · · · · · · · · · · · · · ·		
187	45373.0698 45420.3768 48281.7138	5 025830E+00 5 676246E-05 -4 041328E+00	0 668 0 668 -2 940 -1 449	0 970 0 000 -3 188	- 3.103 - 203			
100	45683 7934 45703 0905	-4.041329E+00 -2.812566E+00 5.081689E-06 5.856003E+00	-0.414 0.000 1.708	0.000	1.121 0.000			
200	4E626 4220	* # ##	< 70£	ስ ወደን	A GRY			
93 196 196 196 197 198 200 201 202	45856 .6488	-5 522224+08	1.29g	-8:483	-8:517			
114-503	45956 . 6268 9-LOAD . YAB ; 2		DISKS: [KPOX	-8:463	-8.355		18-DEC-81	16:
114-503	9-LOAD. TAB;2	7. 2732278-94	0.685 018K8: [KPCK 0.000	90.000 0.000	-8.355			16:
114-503	9-LOAD. TAB;2	7. 673222% -04 -2. 687524 -00 1. 0031801 -03	0.685 0.000 -1.000 -2.000	-8.883 -8.983	-8.355			16:
1MP003	5-LOAD TAB; 2 460 12 0484 4612 423 4822 5086 4836 5878	7. 673222% -04 -2. 687524 -00 1. 0031801 -03	0.685 0.000 -1.000 -2.000	0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000			16:
1MP003	5-LOAD TAB; 2 460 12 0484 4612 423 4822 5086 4836 5878	7. 673222% -04 -2. 687524 -00 1. 0031801 -03	0.685 0.000 -1.000 -2.000	0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000			16:
1MP003	5-LOAD TAB; 2 460 12 0484 4612 423 4822 5086 4836 5878	7. 673222% -04 -2. 687524 -00 1. 0031801 -03	0.685 0.000 -1.000 -2.000	0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000			16:
1MP003	5-LOAD TAB; 2 460 12 0484 4612 423 4822 5086 4836 5878	7. 673222% -04 -2. 687524 -00 1. 0031801 -03	0.685 0.000 -1.000 -2.000	0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000			J 18
1MP003	5-LOAD TAB; 2 460 12 0484 4612 423 4822 5086 4836 5878	7. 673222% -04 -2. 687524 -00 1. 0031801 -03	0.685 0.000 -1.000 -2.000	0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.007 0.000 0.007 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000			1 18:
1MP003	5-LOAD TAB; 2 460 12 0484 4612 423 4822 5086 4836 5878	7. 673222% -04 -2. 687524 -00 1. 0031801 -03	0.685 0.000 -1.000 -2.000	0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.007 0.000 0.007 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000			1 18
1MP003	5-LOAD TAB; 2 460 12 0484 4612 423 4822 5086 4836 5878	7. 673222% -04 -2. 687524 -00 1. 0031801 -03	0.685 0.000 -1.000 -2.000	0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.007 0.000 0.007 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000			1 18:
1MP003	5-LOAD TAB: 2 460 12 0484 461 13 4223 462 25 272 462 25 272 462 25 272 463 27 6084 464 65 34 72 464 65 34 72 46 62 72 47 77 417 47 16 62 70 47 18 74 76 47 18 74 76 47 18 74 76 47 18 74 76 47 18 74 76 47 18 74 76 47 18 74 76 48 18 64 76 48 18 64 76 48 18 64 76 48 18 18 76 48 18 18 76 48 18 18 76 48 18 76 48 18 76 48 18 76 48 18 76 48 18 76 48 18 76 48 1	7. 673222% -04 -2. 687524 -00 1. 0031801 -03	0.685 0.000 -1.000 -2.000	0. 883 -0. 883 0. 000 0. 824 0. 000 -0. 000 0. 0	0.000 0.000			1 18
1WF003	5-LOAD TAB: 2 460 12 0484 461 13 4223 462 25 272 462 25 272 462 25 272 463 27 6084 464 65 34 72 464 65 34 72 46 62 72 47 77 417 47 16 62 70 47 18 74 76 47 18 74 76 47 18 74 76 47 18 74 76 47 18 74 76 47 18 74 76 47 18 74 76 48 18 64 76 48 18 64 76 48 18 64 76 48 18 18 76 48 18 18 76 48 18 18 76 48 18 76 48 18 76 48 18 76 48 18 76 48 18 76 48 18 76 48 1	7. 673222% -04 -2. 687524 -00 1. 0031801 -03	0.685 0.000 -1.000 -2.000	0. 882 -0. 883 -0. 883 -0. 824	0.000 0.000			1 18:
203 208 208 208 208 208 208 208 208 208 208	0-LOAD TAB; 2 400 12 0-404 461 13 4212 462 12 0-504 461 13 4212 463 12 0-504 463 13 18 6 463 13 18 6 463 13 18 6 463 13 18 6 463 13 18 6 463 13 18 6 47 12 48 62 47 12 48 62 47 12 12 7 12 7 48 12 7 48	7. 673222% -04 -2. 687524 -00 1. 0031801 -03	0.685 0.000 -1.000 -2.000	0. 882 -0. 883 -0. 883 -0. 824	0.000 0.000			F 18
203 208 208 208 208 208 208 208 208 208 208	0-LOAD TAB; 2 400 12 0-404 461 13 4212 462 12 0-504 461 13 4212 463 12 0-504 463 13 18 6 463 13 18 6 463 13 18 6 463 13 18 6 463 13 18 6 463 13 18 6 47 12 48 62 47 12 48 62 47 12 12 7 12 7 48 12 7 48	7. 673222% -04 -2. 687524 -00 1. 0031801 -03	0.685 0.000 -1.000 -2.000	0 883 -0 883 0 900 0 834 0 900 -4 789 0 900 -2 943 -0 900 -2 900 -2 900 -2 900 -3 900 -3 900 -3 900 -4 789 -6 900 -7	0 267 -0 318 0 000 0 607 -1 227 0 000 0 000 -2 287 0 000 -2 287 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -0 158 -0 000 -			1 18
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203 208 208 208 208 208 208 208 208 208 208	5-LOAD TAB; 2 460 12 0484 4612 423 4822 5086 4836 5878	7. 673222% -04 -2. 687524 -00 1. 0031801 -03	0.685 0.685 0.000 1.010 0.000 0.100 0.000	0 883 -0 883 -0 883 0 000 0 834 0 000 -1 759 0 000 0 000 0 000 -2 048 0 000 -2 048 0 000 -3 040 -0 286 0 000 -1 236 0 000 -1 246 0 000 -1 246 0 000 -1 246 0 000 -1 246 0 000 -1 246 0 000 -1 246 0 000 -1 246 0 000 -1 246 0 000 -1 246 0 000 -1 246 0 000 -1 246 0 000 -1 246 0 000 -1 246 0 000 -1 246 0 000 0 000 -1 246 0 000 0 000 -1 246 0 000 0 000 0 000 -1 246 0 000 0 000 0 000 -1 246 0 000 0 000 0 000 -1 246 0 000 0 000 0 000 0 000 -1 000 0 000 -1 000 0 000 -1 000 0 000 0 000 -1 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 000 0 0 0	0 267 -0 318 0 000 0 607 -1 227 0 600 0 600 -2 227 -0 600 -0 320			16
203 208 208 208 208 208 208 208 208 208 208	0-LOAD TAB; 2 400 12 0-404 461 13 4212 462 12 0-504 461 13 4212 463 12 0-504 463 13 18 6 463 13 18 6 463 13 18 6 463 13 18 6 463 13 18 6 463 13 18 6 47 12 48 62 47 12 48 62 47 12 12 7 12 7 48 12 7 48	7 8732231 - Od	0.685 0.000 -1.000 -2.000	0 883 -0 883 -0 883 0 000 0 834 0 000 -1 759 0 000 0 000 0 000 -2 048 0 000 -2 048 0 000 -3 040 -0 286 0 000 -1 733 0 000 -1 026 -0 286 0 000 -1 026 -0 286 0 000 -0 124 -0 286 0 000 -0 124 -0 286 -0 124 -0 286 -0 286 -0 286 -0 000 -0 0	0 267 -0 318 0 000 0 607 -1 227 0 600 0 600 -2 227 -0 600 -0 320			F 18
10000 200 200 200 200 200 200 200 201 211 21	3-LOAD. TAB; 2 460 12 0.484 461 13 4272 462 12 0.484 461 13 1272 462 12 0.484 462 13 12 12 12 12 12 12 12 12 12 12 12 12 12	7, 9732221 - 04 -2, 8877832 - 05 -1, 083190 - 03 -2, 887783 - 05 -3, 083190 - 03 -1, 083080 - 04 -1, 083080 -	0.685 0.000	0.883 -0.883 -0.883 -0.883 -0.883 -0.884	0 267 -0 318 0 000 0 607 -1 227 -0 000 0 000 -2 000 -2 000 -0 000			78
10000 200 200 200 200 200 200 200 201 211 21	3-LOAD. TAB; 2 460 12 0.484 461 13 4272 462 12 0.484 461 13 1272 462 12 0.484 462 13 12 12 12 12 12 12 12 12 12 12 12 12 12	7, 9732221 - 04 -2, 8877832 - 05 -1, 083190 - 03 -2, 887783 - 05 -3, 083190 - 03 -1, 083080 - 04 -1, 083080 -	0.685 0.000	0.883 -0.883 -0.883 -0.883 -0.883 -0.883 -0.884	0 267 -0 318 0 000 0 607 -1 227 -0 000 0 000 -2 000 -2 000 -0 000			F 18
203 203 204 206 207 207 207 207 207 207 207 207 207 207	5-LOAD. TAB: 2 460 12 0484 461 13 4271 462 15 272; 462 15 272; 463 17 124; 463 17 124; 463 17 124; 463 17 124; 463 17 124; 463 17 124; 463 17 124; 463 17 124; 463 17 124; 463 17 124; 47 18 17 124; 47 18 17 124; 47 18 17 124; 47 18 17 124; 47 18 17 124; 47 18 17 124; 47 18 17 124; 47 18 17 124; 48	7	0.685 0.685 0.000 1.000 0.000	0.883 -0.883	0 257 -0 318 0 000 0 607 -1 227 -	B-23		F 18

						ORIGINAL PAGE IS OF POOR QUALITY	
HP-DO3-	-LOAD . YAB; 2		DISKO: (KPC	OL]		OF FOOR QUALITY	18-0EC-88 18:11
Mode	Frequency	Participation Factor	Blobel X Direction X 1.05+02	Globel Y Direction X 1.0E+02	Globel Z Birection X 1.02+02		
<u> </u>	1822.6363 2249.4195 3845.7728	4.101223E-15 -2.782243E-13	0.000 6.000 -1.489 -0.246 0.000	0.000 0.000 -0.514	0,000		
4	4 100 8064 5076 8308	6 67808 1 - 00 2 27 194 5 - 00 3 34 9604 - 12 -3 44 64 6 - 12	~1.499 -0.246	-0.514 0.164	-20 383		
	4 100 8064 5076 8308 7844 4080	-2 22 23 - 12	0.000	0 164 0 060 0 060	8 888		
7	9000 0623 9131 6310 9727 938	-2 900045	0.000	0.000	0.000		
ĄŽ	1000 000 111 511 121 181	8 - 8883 188+UV	0 000 974 -4 983 -4 983 -734 -8 668	17.166	0 000 0 000 1 222 0 000		
- 17	9644 8979 10039 5961 11784 3428 11974 4034 12676 8349 12652 4416 13882 5772 14220 0472 14574 8945 14653 0410	-7. \$33048-00 4. \$1.148-00 4. \$1.148-00 5. \$271175-00 -2. \$47717-00 -2. \$18876-00 -4. \$82940-00 -3. \$1733-12 3. \$36820-11	-1.768	9:000 9:148	-2:822		
12 13	11784 3428	# : 287 1758+00	5.093 4.734	- 20 2 044 - 415	- 04		
18	-11827-2625 -	-4 5477311±00	9 43	-1.415	3.623		*
16 17	2576.8349	2.7858765+00	-6.489	0.868 0.464 9.494 0.000	0.000 3.789 -1.489 0.000 0.000 -2.336 -2.336 0.000		
. 18	13552 5732	1.394733E-12	-5.489 8.867 0.000 1.983 0.000 0.000 0.000 0.000 0.000 12.242 -0.000 -0.000 -0.000	9,494	0.000		
19 20 21 22 23 24 25 27 28 29 30	14220.0474 14374.8945	3.535820E-11 2.484311E+00	0,000	0.000	0.000		
21	14463 0410	1.5651046-11	0∶00 0	0; 00 0	₫:88		
23	14869 8609 14929 8527 15848 9861 16447 4663	3.6-365206-11 2.484311E-00 1.668104E-11 1.964E18E-11 -4.677846E-01 2.883285E-11 -2.567371E-12 6.443118E-00	0.234	-0.618	-0.272 -0.272		
25	16447 4663	-2.567371E-12	0.000	0.000 0.000	-0.273 0.000 0.000 -4.368		
- 29 -	16447 4653 16795 7514 16983 0608	6 443118 +00 3 011522 -00 -7 \$92060 +00 -2 616096 -01 2 238487 -11	- 3.387 -	-16-504	-4.349		
28	16987 4620	-7.892060E+00	12.242	- 10 . 370	3.290		
_39	18091 9781	2 2384871 - 11	0.000	0 566	0.174	<u> </u>	
32	16987, 4620 17838, 0283 18091, 9781 18377, 3672 18396, 8821	8 70966E-01	0.000 -0.508	0.000	0.000		
32 33	18512 4999 18966 2883	-7.802117E+00 2.021772E-08	6.822 0.000 -0.146	6 845 0 000 0 000 0 000 0 000 -15 884 0 000 -10 370 0 242 0 000 0 285 -11 825	0.265 5.110 0.000		
	185 12 4999 18966 2883 18967 4758 19086 3451 19982 4040	-8 778792E+00	-0.146	2.142			
36 37 38	19962 4040	-8.577806E-12	0.000	3∶ 52 7 0∶ 00 0	-2 024 6 666		
30 40	1982 4040 20118 8572 20228 9985 20441 2154 20894 0888 21073 9388 2118 2058 21282 1832 21385 8983 21440 7217	2 2484 (t - 1) -1 878 1855 - 1 1 8 709866 - 0 1 -7 8021 175-00 -2 0217725 - 08 -8 7787825 - 00 -8 5778065 - 12 -3 158285 - 1 1 -6 8005 15 - 12 -6 8005 15 - 12 -6 1512 145 - 00	-0 814 0 000 0 000 0 000	2 142 3 527 0 000 0 000 0 215 -0 087 -0 187	-1 904 -2 900 - 0 900 - 0 900 - 1 496 - 1 167		
40 41	20441 2134 20894 0888	1.515714E+00	0 888 -0 497 0 000 0 521 0 710	0.215 -0.087	0.367		
- 12 -	21973 9388	-1 5183948-12	0.000	0.006	0.000		
44	21202 1832	-6 604621E+00	0.521 0.710	-0.1 57 0.7 96	0 149		······································
44 45 46	21345.8993 21440.7917	5.000331E-11 5.363016E-11	0.000 0.000 0.000	0.766 0.660	Ž 200		
-47		-6.800511E-12 1.515714E+00 3.042603E+00 -1.51574E+00 -1.51574E-10 -1.980528E+00 -6.604621E+00 -6.000331E-11 -2.961420E-11 -1.310548E-11	0.000 0.000	0.706 0.660 0.660 0.660 0.660	0 149 0 000 0 000 0 000 0 000		
ad Case	21849,5806 (32) Load		ion Pactors				
			Global X	Load in Each M	Global Z		

IMPOO:	-LOAD YAB; 2		DISKS: [KPC	DL]			18-DEC-88 18:11 P
lode bec_	Erequency	Participation Factor	Direction X 1.05+02	Direction X 1.05+02	Direction		
49 50 51	21873.7909 22122.6863 22469.5346	-6.712812E-01 -1.253671E-11 5.91822E-10 2.62826E-00 -6.38458E-01 3.86787E-00	0.078 0.000	-0.412 0.000 0.000 2.578	0 170 0 000		
- 53 -	22485 2742	5 8182225-10	- <u>0.000</u>	<u> </u>	0.000		
2003.4 3.5 3.5 4.5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	23456 9006 23479 0957 23538 9192	-6.384588E-01	0.058	0 190	-0.401		
- 55 -	23538 9192	6 6 1800 - 11	0.326 0.000 0.000	9.888 8.888	0.000		
56 57 58 59	23861.5910 24164.0112	### 1940 - 11 -9 400038 - 13 -9 134824 - 10 -1 273171 - 100 -4 136132 - 01 -5 55227 - 11 -5 55227 - 10 -2 734970 - 10 -3 822822 - 11 -2 839232 - 10 -8 44646 - 10	0.000	0.000 0.000	0.000		
- 50_	24613 6132 24613 6132 34673 2688 25213 9434 25411 5261 25844 2899	-9.134824E+00 1.373171E+00	-1.947 0.446	0.000 -1.368 -0.320	-6.726		
81	24973 2988 25213 9434	-4.513613E-01 5.952237E-11	-0.160 0.000	-0 169 C.000 4.696 1.000	-0.044 0.000		
62	25411.5261	-5.357327E+00	5.580 1.118	4.636	5.104		Ţ
2888	25848 2899 25844 7305 25971 4296	-3.7349706-10	0.000	0.000	0.000 0.000 0.000 0.000 -0.000 -0.012	· · · · · · · · · · · · · · · · · · ·	
8	26162 9167	-2 9399206 - 10	0.000 0.000 0.000	0.000 0.000	0.000 0.000		·
-	28481 0158 28737 2069	2.166161E-11	-9.724 8.665	0.000 0.000 0.000 0.000			
58 59 70 71	26461 0156 26737 2069 26786 4482	-4.591149 5 -61	0.287	-0.179	-0.018 -0.880		·
77		2.973690 +00 1.83450 -11	2.418 0.000	8 128	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
72 73 74	27822 3949	1.821366 - 10	1.390 0.000 0.000	0.045 0.000 0.000	0 000		
76	27822 3040 27866 2645 27973 3175 28066 8451	-1 103633 +00 1 821366 -10 1 257342 -10 8 839364 +00	0.000	0.000 -1.898	0 000 0 000 0 000	•	
76	2506 8451 25166 4204	2.7873145-10 -6.2437235+00 -8.7402585-11 -1.5084255+00	0.000	-1 868 0 880 -2 784 0 860 -1 81	0.000		· · · · · · · · · · · · · · · · · · ·
78	28 168 4204 26567 4597	-8 7402585-11 -1 5084285-00	8 888	-2:784 6:000	-2.650 0.660 0.677		
78	28947 6102	-6 3686311-11	0.000 0.000 0.000 0.000 0.000	0.000	8:857		
81 82 83	28947 . 6102 29515 . 6775	2.316809E+00 -1.0356105+00	-3.173 0.348 0.000	0.487 1.309 0.000	0,000 1,047 0,092 6,086		
13 -	295 15 . 6775 295 13 586 1 29790 . 636 1	8 381726 - 11	9.000	9.000	<u> </u>		
84 85 86 87	29058 2241 30041 7236 30205 8384	-2.0038965-11	0.000 0.000 0.488	0.000	0.000		
<u>i?</u>	30205 5354	9.284188 -12 -2.063896 -11 4.1774125+00 3.8170365+00	0.488	2.114 1.253	-1 332		•
88	30218 2578 30718 7320 30760 9109	-3.143071E-11	0.000 0.000	0.000	0.000		
91	30760 9109 30936 3633	-4 461744E+00	-2.606 0.000 -0.206 0.000	0.000 0.000 0.000 -2.263 6.000	0.660 -0.661		
92 93 94	31017.6194	-1.1706288+00	-0.206	0.114	-0.153		
麗	31219.1367 31337.8369	6.0786406-11 1.3107735+00	0,000 -0.106 0.000	0.000 -1.226 -0.000	0. 00 0 -0.112		
	3 453 1468 • (32) Load	-1.170626E+00 6.076640E-11 1.310773E+00 -9.140943E-11 3.802441E+00	4 171	2.600	-0.112 -1.603		
d Cas	e (32) Load	Model Participat	ion Factors			E-24	
		Participation	Direction	Load in Each %	Blobe 1 7		

					ORIGINAL P	AGE IS	
THERE	03-LOAD TAB : 2			(OF POOR QU	UALITY	
	•		DISKE: [KPO	OL)			18-DEC-88 18
iumber 	Frequency	Factor	X 1.0E+02	X 1.0E+02	X 1.06+02		16-DEC-88 16
97 98 99 100	31686 4818 31859 6927 31958 6927 31958 5738 32267 1877 32373 9853 32373 9853 32373 9853 32373 9717 32330 5488 333012 3717 33130 5488	-1.761321E+00	0.952	0.783	-0.484		
99 190	31996, 9426	1 7463475 - 10	0:5552 0:555	-2.743 8.000	-0.484 -0.000		
101	致数7.7577	-1.761321=00 7.109399=00 1.746347E-10 -4.36208=10 -6.081191=00 1.328177+00 2.408434-10 -5.06434-10 -5.176470-12 1.81849E-10 1.81849E-10 -1.921044-10	0. 562 0.000 0.000 2.055 -1.478 0.000 -1.070 -1.070 -1.070 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0 783 -2 743 0 000 -3 300 0 462 0 000 -3 669			
103	32373	-1.338177E+00 2.498424E-10	-1.479 0.000	0 463	-8 210 -0 147 0 000 9 897		
186	-32631 9215 -32631 4615	-1-19142±10	-1.023	0.000 3.669	0.000 9.897		
106	33012 3717	-3 38 1764E-00 5 1768708-12	0.000	0.000			
108	33285 9096	1.2121045-10	0.000 0.000	Ŏ. Ö ÖÖ	ŏ. ŏŏŏ		
110	32006 4847 33012 3717 33130 5488 33406 6530 33406 6530 33406 2355 33408 2355 33848 1166 33166 2301 33606 3175 34008 3175 34018 3672 3459 0349 3459 0349 3459 0349 3459 0370 35526 9376 35526 9376 35526 9376 35526 9376 36531 3058 36937 9766 36937 36937 36500 2374 36500 2374 36500 2374 36500 2374 36549 6406 36900 2806	2121046-10 -9 7911348-50 -6 5605398-50 -1 4826755-89 -5 4172998-50 -3 819187-71 2 3304955-10 2 5470955-50 -2 8527365-10 -2 3814175-10 -2 3814175-10 -2 3814175-10 -2 3814175-10 -2 3814175-10 -2 3814175-10 -2 1080185-80 -1 335888-80 -2 71535-11 3 0560555-60 -3 379885-60 -3 379855-60 -1 9267045-10	15 352 8 390	-1.031 0.000 0.000 0.000 -2.624 4.240 0.000	2 (77)		
111	33808 . 2365 33848 156	-1.482676E-00	0:000	4 . 240 0 . 000	5.772 0.000 -2.027		
113	33996.7183	-3 810187F VI	6:888	-3.668	-2.627		
115	34018.3679	2 . 3304955 - 10 2 . 5470855+00	0.000 -3.919	0 000	0.000 9.000		
-119-	34287.8902 34589 0389	-2-1527255-12-	-3.019 9.000	-0 839 0 000	0.441		
118	34697 2522	-2 3914176-10	- 0.000 - 3.200 6.000	-0 239 0 000 0 801 0 000	0.000 1.163 0.000 1.163 0.000		
120	_35917 \$251	-1 6360186-10	1 010	0.450	1:163		
122	35129 . 9877 35526 . 9376	-6.316665E+00	0.000 2.000	-0.281			
123 124	35552.5518 35831.3059	3.0500558+40	4.213	0.000 9.566	0.000 1.812		
125	35987.9766	-2 100014E-12		- 8:888 -	9.888 8.888		
122 123 124 125 126 127 128 129 130	36321.6673	3.570890E+00 -2.440130E+00	0 000 4 213 6 000 7 000 -1 583 -0 248 0 000 -0 148 0 000 0 000	0.458 0.000 -0.231 0.000 0.500 0.500 -0.503 0.000 -0.503 0.000 0.926 0.000 0.926 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.406		
128-	35502:2724	1-3027135-50	<u>ŏ :ōōō</u>	-0.603 C.000	0.406 0.846 0.000		
131	36649 8406 36900 2800	-1 928704E - 10	0.000	0.000	0 000 0 000		
122	36986 5875 37328 9177 37619 3414	3.947548E+00		0.000 0.836	, 0.000 0.0000		
33 34 36 37	37328 9177 37619 3414 37645 6084	3 05005EE -11 2 9674E-100 -1 158575 -100 -1 158575 -100 -1 158575 -100 -1 158575 -100 -1 1580576 -100 -1 15805	-0.695 0.000 0.000	ğ: 216	-0.459 0.000		
138_	37845 . 6084 37714 . 2369	-3 7716321-11	Ŏ Ö ÖÖ	0.000 0.000	0.000		
138	37714 2369 37918 6451 38110 8894 38141 4341 38214 3872 38456 6499 38506 8261 38929 3651 38903 2065	- 4 0000071-00	-1 881 1 576 0 539 0 000 -0 636	- 9.207 -	-8.201		
139	38 141 4341	.539682E-0	0 . 53 0 0 . 000	0. 153	0.703 0.703		
140	38456 6299	3 E96/BEE + 565	- 9 635	-0.056	-1.289		
142 143	38505 . 826 1 38929 . 365 1	1 045036E-00	0.061 0.000 0.000	-2 116 0 000 0 000	0.000		
ad Case	39003 2045	6 5308036+00	-4.048	0.000 2.744	Ö.000 -5.651		
	P (GE / LUNG F	Modal Participation Participation Factor	on Factors	sed in Each He			
Mode		Participation	Global X	Global Y	Globel Z Ricection		
Moer	Frequency	Factor	X 1.0E+02	X 1.02+02	X 1.0E+02		



182	· IMPDO:	3-LOAD TAB;2		DISKE KPC	-		16-DEC-98 18:11 Page
187		45079.0141 45137.9279	5.912846E-01 -7.110810E-05	-0.612	0.380	-0.076	
187		45249 5757	-9.698996E-05	8:888	8.888	8:888	
202 48860 2481 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		45373 0696 45420 3768	-4.730324E+00 1.285197E-04	2.767	-0 912	-2.982	
202 48860 2481 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	198	45491.7138	-4.434505E+00	-1.590	-2.709	1.078	
202 48860 2481 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	200	45703.7934 45703.0905	-1.072712E+00 1.640691F-06	-0.158	0.310	0.427	
201	201		-5 143670E-02	+O D16	-0.008	-0.002	
201	203	46012 0464	-1.097032E+00 -1.921472E+03	9.115	-9.182	-9.954	
\$39.00	204	46117 4999	-3 3007135-01	-0.204	0.117	0.082	
208 48440 0239 -4 550000E-00 -0 358 -1 38: 0 611 211 4658 5395 -1 31779E-00 -2 314 0 850 4 380 211 4658 5395 -1 31779E-00 -2 314 0 850 4 380 211 4658 5395 -1 31779E-00 -0 000 0 000 211 4658 5395 -1 71779E-00 -0 000 0 000 212 4858 5395 -1 71779E-00 0 650 0 000 213 4858 530 -1 007425E-00 0 000 0 000 214 4858 530 -1 007425E-00 0 000 0 000 215 47477 413: 1 18884E-01 -2 305 -5 784 3 886 216 47477 413: 1 18884E-01 -2 305 -5 784 3 886 216 47477 413: 1 18884E-01 -2 305 -5 784 3 886 216 47477 413: 1 18884E-01 -2 305 -5 784 3 886 216 4747 413: 1 18884E-01 -2 305 -5 784 3 886 217 4771 413: 1 18884E-01 -0 000 0 000 0 000 218 47810 7419 3 83480E-04 0 000 0 000 0 000 219 47810 7419 3 83480E-04 0 000 0 000 0 000 210 47810 7419 3 83480E-04 0 000 0 000 0 000 210 47810 7419 3 83480E-04 0 000 0 000 0 000 211 47810 7419 3 83480E-04 0 000 0 000 0 000 212 418 531 1 18885E-04 0 000 0 000 0 000 213 418 531 1 18885E-04 0 000 0 000 0 000 224 48312 6840 -1 1041165E-03 -1 000 0 000 0 000 225 48185 8311 1 18885E-00 0 0 000 0 000 0 000 226 48312 6807 -1 377718 000 0 060 0 000 0 000 227 4885 8314 0 000 000 0 000 0 000 0 000 0 000 227 4885 8314 0 000 000 0 000 0 000 0 000 0 000 0 000 0	205	46235 2532 46320 8098	2 294898E-03 -2 104975F+00	0.000	0.000	0.00č	· ·
201 about 5.37	207	46365.3678	2 0267721-05	<u>ŏ:566</u>	0.000	0.000	
18	208	46449 0939 46545 3806	-4 550000E+00	-0.358	-1.381	0,611	
18	210	46585.4825	-3 748679E-04	0.000	0.890	4.390 0.000	and the second s
18		48695 9479 46830 2985	1.956634E-04 -2.2562505-02	0.000	0.000	0.000	
18	213	48882 0210	-1 150844E+01	-0.074	3.985	5.250	, i
217 47516 2502 1 658394E-03	315	47124 4595 17246 6260	-7.9326125-94	<u> </u>	9.000	<u> </u>	
\$18	216	47477 4131	-1.169894E+01	-2.305	-0.563 -5.764	3.696	
227 4852 9824 2 946225-0 0 734 9 252 0 066 228 48828 4441 -7 69646E-04 0 700 0	218	47516.2502 47597 1265	1.658994E-03	0 000	0.000	Ŏ ĎŎŎ	1
227 4852 9824 2 946225-0 0 734 9 252 0 066 228 48828 4441 -7 69646E-04 0 700 0	219	47819:7419	3.534808E-04	d: 86 6	8 586	0.000	
227 4852 9824 2 946225-0 0 734 9 252 0 066 228 48828 4441 -7 69646E-04 0 700 0	220	47886 . 2288 47999 5792	-1 156186E+00	0.280	-0.419	0.116	
227 4852 9824 2 946225-0 0 734 9 252 0 066 228 48828 4441 -7 69646E-04 0 700 0	222	48126.4540	-1.941100E-03	0.000	3.748 0.001	0.486 0.000	
227 4852 9824 2 946225-0 0 734 9 252 0 066 228 48828 4441 -7 69646E-04 0 700 0	223	48156.3311	-1.669522E+00	-0.668	-0 197	-0.098	
228 48972 2100 5 6880981+00 1 303 -3.673 -1.982 220 48072 5735 -4.8807055-04 0.000 0.000 0.000 231 48072 5735 -4.8807055-04 0.000 0.000 0.000 232 48072 5735 -4.8807055-04 0.000 0.000 0.000 232 48072 5735 -4.8807055-04 0.000 0.000 0.000 233 48072 5735 -1.881925-03 0.000 0.000 0.000 234 48072 5735 -1.881925-03 0.000 0.000 0.000 235 4978 4751 8.082355-00 4.233 0.018 -0.725 236 4978 4751 8.082355-00 4.233 0.018 -0.725 237 4946 7558 8.6976555-00 -2.859 0.000 0.000 237 49946 7558 8.6976555-00 -2.859 0.000 0.000 238 63879 6592 -1.89498-03 0.000 0.000 0.000 239 6586 8086 -2.4528005+01 3.023 2.449 -2.465 240 6505 2180 7.0833775-02 0.009 0.000 -0.001 240 6505 2180 7.0833775-02 0.009 0.000 -0.001 241 67508 5292 -9.8880805+00 -0.261 -2.093 -2.185 242 67608 5292 -9.8880805+00 -0.261 -2.093 -2.185 243 6378 10925 -4.788405+01 -6.398 5.140 -0.882 244 6878 10925 -4.788405+01 -6.398 5.140 -0.882 244 6878 10925 -4.788405+01 -6.398 5.140 -0.882 244 6878 10925 -4.788405+01 -6.398 5.140 -0.882 244 6878 10925 -4.788405+01 -6.398 5.140 -0.882 245 6878 1002 -2.344605-01 0.017 -0.039 0.006 246 6878 10025 -4.788405+01 -6.398 5.140 -0.882 247 6878 1002 -2.344605-01 0.017 -0.039 0.006 248 6878 1002 -2.344605-01 0.017 -0.039 0.006 249 6878 1002 -2.344605-01 0.017 -0.039 0.006 240 6878 1002 -2.344605-01 0.017 -0.039 0.006 241 6878 1002 -2.344605-01 0.017 -0.039 0.006 242 6878 1002 -2.344605-01 0.017 -0.039 0.006 243 6878 1002 -2.344605-01 0.017 -0.039 0.006 244 6878 1002 -2.344605-01 0.017 -0.039 0.006 245 6878 1002 -2.344605-01 0.017 -0.039 0.006 246 6878 1002 -2.344605-01 0.017 -0.039 0.006 247 6878 1002 -2.344605-01 0.017 -0.039 0.006 248 6878 1002 -2.344605-01 0.017 -0.039 0.006 249 6878 1002 -2.344605-01 0.017 -0.039 0.006 249 6878 1002 -2.344605-01 0.017 -0.039 0.006 240 6878 1002 -2.344605-01 0.017 -0.039 0.006 241 6878 1002 -2.344605-01 0.017 -0.039 0.006 242 6878 1002 -2.344605-01 0.007 0.000 0.000 0.000	225	48412 7807	1.813944E-03	0.000	0 000	0.000	
228 48972 2100 5 6880981+00 1 303 -3.673 -1.982 220 48072 5735 -4.8807055-04 0.000 0.000 0.000 231 48072 5735 -4.8807055-04 0.000 0.000 0.000 232 48072 5735 -4.8807055-04 0.000 0.000 0.000 232 48072 5735 -4.8807055-04 0.000 0.000 0.000 233 48072 5735 -1.881925-03 0.000 0.000 0.000 234 48072 5735 -1.881925-03 0.000 0.000 0.000 235 4978 4751 8.082355-00 4.233 0.018 -0.725 236 4978 4751 8.082355-00 4.233 0.018 -0.725 237 4946 7558 8.6976555-00 -2.859 0.000 0.000 237 49946 7558 8.6976555-00 -2.859 0.000 0.000 238 63879 6592 -1.89498-03 0.000 0.000 0.000 239 6586 8086 -2.4528005+01 3.023 2.449 -2.465 240 6505 2180 7.0833775-02 0.009 0.000 -0.001 240 6505 2180 7.0833775-02 0.009 0.000 -0.001 241 67508 5292 -9.8880805+00 -0.261 -2.093 -2.185 242 67608 5292 -9.8880805+00 -0.261 -2.093 -2.185 243 6378 10925 -4.788405+01 -6.398 5.140 -0.882 244 6878 10925 -4.788405+01 -6.398 5.140 -0.882 244 6878 10925 -4.788405+01 -6.398 5.140 -0.882 244 6878 10925 -4.788405+01 -6.398 5.140 -0.882 244 6878 10925 -4.788405+01 -6.398 5.140 -0.882 245 6878 1002 -2.344605-01 0.017 -0.039 0.006 246 6878 10025 -4.788405+01 -6.398 5.140 -0.882 247 6878 1002 -2.344605-01 0.017 -0.039 0.006 248 6878 1002 -2.344605-01 0.017 -0.039 0.006 249 6878 1002 -2.344605-01 0.017 -0.039 0.006 240 6878 1002 -2.344605-01 0.017 -0.039 0.006 241 6878 1002 -2.344605-01 0.017 -0.039 0.006 242 6878 1002 -2.344605-01 0.017 -0.039 0.006 243 6878 1002 -2.344605-01 0.017 -0.039 0.006 244 6878 1002 -2.344605-01 0.017 -0.039 0.006 245 6878 1002 -2.344605-01 0.017 -0.039 0.006 246 6878 1002 -2.344605-01 0.017 -0.039 0.006 247 6878 1002 -2.344605-01 0.017 -0.039 0.006 248 6878 1002 -2.344605-01 0.017 -0.039 0.006 249 6878 1002 -2.344605-01 0.017 -0.039 0.006 249 6878 1002 -2.344605-01 0.017 -0.039 0.006 240 6878 1002 -2.344605-01 0.017 -0.039 0.006 241 6878 1002 -2.344605-01 0.017 -0.039 0.006 242 6878 1002 -2.344605-01 0.007 0.000 0.000 0.000	335	<u> 48627 4962</u>	-8 970303E-01	-0.010	0.042	0.056	
223	228	48878 4441	-7.696446E-04	0.134	-2.553 0.000	-0.684 0.000	
233 49610 2551 - 235097510 0 0 000 0 000 0 000 223 0 0 18 - 0 725 236 49796 2751 8 1052510 0 4 538 1 256 - 4 507 237 49846 7558 8 19796510 0 - 2 350 0 1 576 4 525 236 49796 5989 8 19796510 0 - 2 850 1 576 4 525 237 49846 7558 8 19796510 0 - 2 850 1 576 4 525 237 49846 7558 8 19796510 0 - 2 850 1 576 4 525 237 49846 7558 8 19796510 0 - 2 850 1 576 4 525 237 6576 1 5 505 237 6 505 23	229	48972 2100	5.688098E+00	1 303	-2 673	-1.962	
233 49610 2551 - 235097510 0 0 000 0 000 0 000 223 0 0 18 - 0 725 236 49796 2751 8 1052510 0 4 538 1 256 - 4 507 237 49846 7558 8 19796510 0 - 2 350 0 1 576 4 525 236 49796 5989 8 19796510 0 - 2 850 1 576 4 525 237 49846 7558 8 19796510 0 - 2 850 1 576 4 525 237 49846 7558 8 19796510 0 - 2 850 1 576 4 525 237 49846 7558 8 19796510 0 - 2 850 1 576 4 525 237 6576 1 5 505 237 6 505 23	231	29338: 1977	1 167276E+00	0 165	-0 326	-0.000	
235 49778 275 8 105322 0 0 22 0 126 -0 726 236 49786 5998 -3 4455785 04 0 000 0 000 0 000 237 4986 7558 8 6879555 00 -2 859 1 576 4 825 238 63479 6542 -1 1994995 03 0 000 0 000 239 6381 8086 -2 452605 01 3 023 -2 849 -2 486 240 65905 2180 7 0833375 02 0 009 0 000 -0 001 80 Case (32) Load Modal Participation Factors Global X Global X Global X	232	49385.8370		0.000	0.000	0.000	
237 49946.7558 8.697965E+00 -2.9559 1.576 4.825 238 63479.6642 -1.1994991-03 0.000 0.000 0.000 239 65801.8066 -2.452800E+01 3.023 -2.849 -2.466 240 65905.2180 7.083337E-02 0.009 0.000 -0.001 ad Case (32) Load Modal Participation Factors /	234	49510.3251	-2.350847E+00	0.229	0.000	0.000 -0.726	!
237 49946 7558 8 69795E+00 -2 859 1 676 2 825 238 63479 8542 -1 199499E+03 0 000 0 000 0 000 239 65861 8086 -2 452800E+01 3 023 -2 849 -2 485 240 65906 2180 7 .083337E+02 0 000 0 000 -0.001 8d Case 1 32) Load Modal Participation Factors	235	49778.4751 49796 E009	8.105328E+00	4 . 538	1.256	-4.507	
240 56906, 2780 7,083337E-02 0.009 0.000 -0.001 80 Case (32) Load Modal Participation Factors Physical Load in Each Mode	237	49946 7558	8.697955E+00	-2.859	1.676	4 626	
240 56906, 2780 7,083337E-02 0.009 0.000 -0.001 80 Case (32) Load Modal Participation Factors Physical Load in Each Mode	- 238 -	- 63479 6542 8688 868	-1 199499E-03	9.000	0.000	0.000	:
Second S	240	66905,2180	7.083337E-02	0.009	0.000	*2.496 *0.001	
Direction Dire	ad Cas	se (32) Load	: MOGS Particips:	tion Factors			
Direction Dire				Global X	Global V	Global Z	
241 67508.5292 -9.886080E+00 -0.261 -2.093 -2.185 PMPD03-LDAD. YAB; 2 DISK6: [KP00L] 16-DEC-88 16:11 Pm; 242 67886.8736 8.454204E-04 0.000 0.00		Frequency	Participation	Direction	Direction	Direction	
PAPPO03-LOAD TAB; 2 DISK6: [KPOOL] 16-DEC-88 16:11 Pag 242 67686 8736 8.454204E-04 0.000 0.000 0.000 243 68783 9095 -4 768642E-01 -6 389 5 140 -0 838 244 69783 9709 -2 344800E-01 0.017 -0.039 0.006 245 69769 9985 7 919913E+00 -0.010 -0.470 -0.050 Sum of Modal Paperical Loads 37 198 3.845 -10 200		• •					
242 67686 8736 8 454204E-04 0.000 0.000 0.000 243 68783 0925 -4 768642E-01 -6 399 5 140 -0 888 244 69783 9709 -2 344600E-01 0.017 -0.039 0.006 245 69789 9985 7 919813E+00 -0.010 -0.470 -0.060 Sum of Modal Physical Loads 37 198 8 845 -19 293 Resultant of Applied Loads 37 198 8 845 -19 293	24 1	o /608 . 5292	-A' 888080F+00	-0.251	-2.093	-2.185	
242 67686 8736 8 454204E-04 0.000 0.000 0.000 243 68783 0925 -4 768642E-01 -5 399 5 140 -0 888 244 69783 9709 -2 344600E-01 0.017 -0.039 0.006 245 69789 9985 7 919913E+00 -0.010 -0.470 -0.060 Sum of Modal Physical Loads 37 198 8 845 -19 293 Resultant of Applied Load 30 727 6 290 16 400							
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245 69769 9985 7 919913E+00 -0.010 -0.470 -0.060		67666 8736	8 . 454204E-04	0.000	0.000	0.000	io-occ-es io ii ray
245 69769 9985 7 919913E+00 -0.010 -0.470 -0.060		<u>68783 0926</u>	-4.768642E+01	-6.399	5 140	-0 688	
Sum of Model Physical Loads 37 198 8.845 -19 202 Resultant of Applied Load 30 727 8.829 (6.82)	245	69769 9985	7.919913E+00	-0.010	-0.039 -0.470	0.006 -0.060	
Resultant of Applied Load 39 727 9.838 -16.840 Unscaled Applied Load 3.97272E-01 9.83771E-02 -1.69404E-01	e. –					*****	
Unscaled Applied Coad 3.97272E-01 9.83777E-02 -1.89404E-01	Res	ultant of Ap	plied Load	30 727		- 19 293 - 16 940	
	Uns	ca led Ap	Plied Load	3.97272E-01	9.63771É-02	-1.69404E-01	
/ Physical Load in Each Mode							

189003	-LOAD TAB; 2		DISK6: [KP	00L]		16-DEC-88 16:1	1 Pag
242 243	67666 8736 68783 0925	8 454204E-04 -4 788642E+01	0 000 -6 399	0.000 5.140	0,000 -0,688		- 1
244 245	69763 9709 69769 9985	-2.344600E-01 7.919913E+00	-6.399 0.017 -0.010	-0 039 -0 470	0.006 -0.060		
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Res	sultant of A	plied Load	36, 727	9.638	- 19 . 293 - 16 . 940		
ed Car	ca (ed Ar	prical Loads plied Load pplied Load i Modal Participa Participation Factor	3.97272E-01 tion Factors	9.63771E-02	-1.69404E-01		
			Dichel V	1 Load in Each	global Z		
Mode	Frequency	Participation	Direction X 1.0E+02	Direction X 1.0E+02	Direction X 1.0E+02		
	requestcy				X 1.0E+02		
2	1822.5353 2249.4185	-1.952019E-13 -1.025534E-13 6.066216E+00 -2.524261E+00	0.000	0.000 0.000	0.000		
3	3945 7726 4100 8064	6 .068216E+00	0 000 -1 601	-0.549	-22.290		1
5	1822 8363 2249 4185 3945 776 8308 5076 8308 6093 0523 8831 5289 9721 8538 9945 8979 10539 5987 10539 5987 11834 4034 12852 4416 13962 573 14250 0474 14453 0410	K K110845-12	0 274 0 000 0 000	-0 549 -0 182 0 000 0 000 0 000 0 000	-22 290 4 803 0 000		
?	8093 0523	1 031623E - 13 7 400608E - 12 1 556283E - 12	0.000 0.000 0.000	0.000	0.000 0.000 0.000 5.671		
- 8 -	8831 5289 9727 9354		0 000	0.000			
10	9931 8638	8.215950E+00 9.215950E+00 3.033942E+00 -1.089369E+01 3.363807E-01 -4.427451E-10 9.031695E-01	2.584 0.000	11.161	0.000		
11 12 13	10639.5981	8.2159506+00 3.0339426+00	-12.611 3.965	5.689 -1.491	-13.381		
13 14	11784 3428	-1.089369E+01	-6 221 0 029 0 000 -1 773	-2.684 0.096 0.000 0.151 8.987 0.000 0.000 5.770	0.000 -13.381 -3.381 -3.245 -0.229 0.000 1.228 -1.390 0.000 0.000 0.000 0.379 0.000 0.000		
15	1834 4034	-4 . 42745 1E - 10	0.000	0.000	-0.239 0.000		!
16	12852.4416	9.031666E-01 -4.338146E+00	-1 773 182	0.151	1 228	·	
18 19	13962.5732	-4.338146E+00 1.704010E-11 3.571951E-11 2.093940E+00	8 195 0 000	0.000	_oٰ∴ ŏŏ ŏ		ļ
<u> 20</u>	14374 8945	2.093940E+00	0.000	5.770	0.000 -1.989		
22	14453 0410		0 000	0.000	0.000		
22 23	14929 8547	-1.551012£-11 6.519319£-01 2.852843£-11	-1.301	0:721	0.379		
25 26 27	16447 4663	3.017418E-11	-1 301 0 000 0 668	0.721 0.000 0.000	8.888		
26 27	16795.7514 16983.0608	-3.217671E+00 3.235898E-09	-1.651 0.000	7.773	2 192 0 000		
- <u>28</u> -	16987 4820	-8.528403E+00	13.229	-11.206	3.513		
28 29 30	14859 8809 14929 8547 15548 9861 16447 4653 16795 7514 16963 0608 16987 4620 17938 0283 18091 9781	-1 174431E+00 1 286617E-11	0 000 13 229 0 292 0 000 0 956 5 727	1.086	0.783		
31	12306 2221	286617E-11 1 284153E-10 -1 639302E+00 -6 381993E+00	0.000	0.000 -0.538	0.000		1
33	18512 4999 18966 2883	-6.381993 +00	5 727	-0 638 -9 924	-0.400 4.290		
34 35 36	18967 . 4758	-3.644830E-08 1.602719E+01 -5.336319E-01	0.000 0.266	9 924 0 000 -3 910	ŏ∶<u>ōŏ</u>ŏ		1
- <u>36</u> 37	19096 2451	-5.335319E-01	0.043	-3.910 -0.187	3.552 0.107		
38	19982.4040 20118.8672 20228.9985	-2.197884E-11 1.724988E-11	0.000 0.000	0.000	0.000		\neg
39 40	20228 9985	1.724988E-11 -4.743087E-11 3.211085E+00	0.000	0.000 0.000 0.456 0.062	0 783 0 000 0 000 -0 493 4 590 0 500 3 552 0 100 0 000 0 000 0 757	E-26	
	20894 0888	-1.841264E+00	1.458 0.301		9.752		. [

47 21770 884 48 21849 568 48 21849 568 Load Case (33) Le Mode Number Frequent 49 21873 79 50 22122 68 51 22485 37 52 22485 37 53 23456 37 54 23479 69 55 23536 15 56 23851 59 56 24705 43 60 24873 79 61 25213 94 62 25414 52 63 25846 28 64 25884 73 65 25817 42 66 26167 72 67 26269 74 68 26461 67 70 26786 94 71 26999 05 72 27351 68 72 27351 68 73 27822 39 74 27865 28 75 27973 91 76 28066 84 77 28158 84 77 28158 84	9993 6.813776E-12 1917 1.8736.8E-11 1801 -1.536.806E-11 1806 3.3325.02E-11 Load Model Participat	Physical Lor	0.000 0.025 -0.044 0.000 0.000 0.000	0.000 0.187 -0.000 0.000 0.000 0.000	
46 21385 599 46 21440 79 47 21770 86 48 21849 58 bad Case (33) 58 bad Case (33) 58 bad Case (33) 58 bad Case (33) 58 bad Case (33) 58 bad 21873 79 50 22122 68 51 22459 53 52 22485 37 53 22456 30 54 22479 69 55 22356 91 56 22851 59 57 24154 51 58 24603 61 58 24706 43 60 22973 29 61 25213 34 62 2241 59 63 25846 28 64 25884 73 65 25871 42 66 25884 73 67 25884 73 67 25886 84 71 25899 74 68 26861 61 71 25899 76 72 27351 68 74 27865 84 77 2889 78 76 27973 91 76 27973 91 76 2889 78 77 2889 78 78 2867 45	9993 6.813776E-12 1917 1.8736.8E-11 1801 -1.536.806E-11 1806 3.3325.02E-11 Load Model Participat	0.000 0.000 0.000 tion Factors Physical Lor Global X	-0 044 0 000 0 000 0 000 0 000	-0.006 0.000 0.000 0.000	
46 21385 589 46 21440 79 47 21770 86 48 21849 58 bad Case (33) L Mode Frequent 49 21873 79 50 22122 68 51 22459 53 52 22459 53 52 22459 53 52 22459 53 53 23456 90 54 23479 69 55 23536 91 56 23851 59 56 23851 59 56 23851 59 57 24154 01 58 24613 61 58 24705 43 60 22853 69 61 25213 34 62 2541 59 61 25213 34 62 2541 69 62 2541 69 63 25846 28 66 2629 74 68 26461 01 69 26737 29 70 26786 84 71 25899 74 68 26861 01 71 25899 74 68 27865 84 71 27855 86 72 27351 68 74 27865 84 77 2886 84	9993 6.813776E-12 1917 1.8736.8E-11 1801 -1.536.806E-11 1806 3.3325.02E-11 Load Model Participat	0.000 0.000 0.000 tion Factors Physical Lor Global X	0.000 0.000 0.000	0 000 0 000 0 000 0 000	
46 21440 79 86 48 21849 56 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	7917 1.873818E-11 1801 -1.836806E-11 1806 3.332502E-11 Load Modal Participat	0.000 0.000 0.000 tion Factors Physical Lor Global X	0.000 8.888	0.000 0.000 0.000	
47 21770 884 48 21849 580 ad Case (33) Le Mode Frequent 49 21873 79 50 22122 685 51 22459 537 53 23456 90 55 23545 59 55 23545 59 55 23545 69 56 2470 63 57 24154 01 58 24613 61 58 24613 61 58 2470 53 59 2470 63 50 225846 28 60 22541 52 61 25213 34 66 2541 52 67 26289 74 68 26461 01 69 26737 20 70 26786 84 77 26786 84 77 27825 86	1801 -1 535808E-11 1806 3.335502E-11 Load Modal Participat	0.000 0.000 tion factors Physical Loc Global X		8.888	
48 21849, 564 ad Case (33) Le Mode	Load Model Participat	tion Factors Physical Los Global X		0.000	
Mode moor Frequent 49 21873 79: 50 22122 68: 51 22459 53: 52 22485 53: 53: 52456 53: 54 23479 09: 55 23851 59: 56 23851 59: 57 24154 51: 58 24613 61: 58 24613 61: 58 24613 61: 58 24613 62: 56 25841 52	Load Model Participat	Physical Lor			
#9 21873 798 #9 21873 798 50 22122 68 51 22459 53 52 22485 37 53 23456 30 54 23479 09 55 23536 91 56 23851 59 57 24154 01 58 24613 61 58 24613 62 58 25844 73 65 25841 52 63 25846 28 64 25854 74 67 22586 28 77 22586 28 78 2865 26 79 27351 68 71 27351 68 72 27351 68 74 27855 68 78 2865 64 78 2865 65		Global X			
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49 21873 79 50 22122 68 51 22469 53 52 22486 37 53 22486 37 54 23479 09 55 23586 91 56 23586 91 56 24152 01 58 24613 61 59 24706 43 60 24973 29 61 25241 52 63 25846 28 64 25846 28 64 25884 73 65 25846 28 64 25884 73 67 26289 74 68 26461 01 67 26289 74 68 26461 02 71 25999 05 72 27351 68 73 27825 39 74 27885 26 78 28056 84 77 28056 84 78 2865 45	1 40 101	Direction X 1.0E+02	Direction X 1.0E+02	X 1.0E+02	
54 23479 09 54 23479 09 55 23536 91 56 23851 59 57 24154 61 58 24613 61 59 24706 43 60 24973 29 61 26213 94 62 25441 52 63 25846 28 64 25884 73 66 26162 91 67 26269 74 68 26451 01 69 26737 20 70 26786 84 71 27825 39 74 27886 84 77 28986 84 77 28989 65 78 2866 84 78 2866 84 78 2866 84 78 2866 84 78 2866 84 78 2866 84 78 2866 84		X 1.02.02			
54 23479 09 54 23479 09 55 23536 91 56 23851 59 57 24154 05 59 24613 61 59 24706 43 60 24973 29 61 25213 94 62 25441 52 63 25846 28 64 25884 73 66 26162 91 67 26269 74 68 26461 01 69 26786 84 71 25999 05 72 27351 68 73 27822 39 74 27885 26 76 28065 84 77 2865 84 78 2866 84 78 2866 84 78 2866 84 78 2866 84	7909 -1 733002E+00 5863 3 776010E-12 5346 7 889684E-10	9 201 8 660	-1.063 0.000	8:888	
54 23479 09 54 23479 09 55 23536 91 56 23851 59 57 24154 61 58 24613 61 59 24706 43 60 24973 29 61 26213 94 62 25441 52 63 25846 28 64 25884 73 66 26162 91 67 26269 74 68 26451 01 69 26737 20 70 26786 84 71 27825 39 74 27886 84 77 28986 84 77 28989 65 78 2866 84 78 2866 84 78 2866 84 78 2866 84 78 2866 84 78 2866 84 78 2866 84	5863 3 776010E-12	0.000	0.000	0.000 0.000	
54 23479 09 54 23479 09 55 23536 91 56 23851 59 57 24154 05 59 24613 61 59 24706 43 60 24973 29 61 25213 94 62 25441 52 63 25846 28 64 25884 73 66 26162 91 67 26269 74 68 26461 01 69 26786 84 71 25999 05 72 27351 68 73 27822 39 74 27885 26 76 28065 84 77 2865 84 78 2866 84 78 2866 84 78 2866 84 78 2866 84	346 7.889684E-10	0.000	0.000	0.000 0.268	
56 23851 50 58 24613 61 59 24705 43 60 24973 94 61 25213 94 61 25213 94 62 25411 52 63 25846 28 64 25847 73 65 26162 91 67 26269 74 68 26461 01 69 26737 20 70 26786 44 71 26999 06 72 27351 68 74 27868 25 76 28065 84 77 2868 62 78 2865 45	3742 3 496375E+00	1.527	3.432	U 208	
56 23851 50 58 24613 61 59 24705 43 60 24973 94 61 25213 94 61 25213 94 62 25411 52 63 25846 28 64 25847 73 65 26162 91 67 26269 74 68 26461 01 69 26737 20 70 26786 44 71 26999 06 72 27351 68 74 27868 25 76 28065 84 77 2868 62 78 2865 45	9006 -3 855526E+00 957 -2 992140E+00	0 336 -0 272 0 000	1 088	-2 422 -0 649	
56 23851 50 58 24613 61 59 24705 43 60 24973 94 61 25213 94 61 25213 94 62 25411 52 63 25846 28 64 25847 73 65 26162 91 67 26269 74 68 26461 01 69 26737 20 70 26786 44 71 26999 06 72 27351 68 74 27868 25 76 28065 84 77 2868 62 78 2865 45	192 2 427942E-10	ŏốố	C 000	0.000	
57 24154 01 58 24613 01 59 24706 43 50 24873 29 61 25213 94 62 25441 52 63 25846 52 64 25884 73 66 26162 91 67 26289 74 68 26461 01 68 26461 01 67 26786 84 71 27826 39 74 27886 26 75 2782 39 76 28056 84 77 2782 39 77 2782 39 78 2866 84 77 2866 84 77 2866 84 78 2866 84 78 2866 84	5010 <i>A 424</i> 954F-11	0 000	0.000	0 000	
59 24706 32 60 24973 23 61 25213 94 62 25411 52 63 25846 28 64 25884 73 65 25971 42 66 26162 91 67 26289 74 68 26461 20 70 26786 84 71 25999 05 72 27351 68 73 27825 36 76 28065 84 77 2826 66 78 2866 745 79 2865 74	0112 7.037754E-11 6132 -5.053622E+00	- 1 877	0 000 0 000 -0 756 1 592	-3.780	
59 24706 32 60 24973 23 61 25213 94 62 25411 52 63 25846 28 64 25884 73 65 25971 42 66 26162 91 67 26289 74 68 26461 20 70 26786 84 71 25999 05 72 27351 68 73 27825 36 76 28056 84 77 28255 86 78 2865 62 78 2865 745 79 2865 45	6132 -5 063622E+00	-1.077	-0.756	-3.760	
60 24973 29 61 25213 94 62 25411 52 63 25846 28 64 25884 73 66 26162 91 67 26269 74 68 26461 01 69 26737 20 70 26989 05 71 26989 05 72 27351 68 74 27865 26 75 27973 91 76 28065 84 77 2865 74 78 2865 74 79 2865 74	4333 -E 23E71EE-NN	-2.217	1.592	-3.467 -0.408	
63 25846 28 64 25884 73 65 25871 42 66 26162 91 67 26289 74 68 26461 01 70 26586 84 71 26589 06 72 27361 66 73 27825 36 74 27885 26 75 27973 91 76 28065 84 77 28255 86	2988 -4 175744E+00	-1.479	-1.404	-0.408	
63 25846 28 64 25884 73 65 25871 42 66 26162 91 67 26289 74 68 26461 01 70 26586 84 71 26589 06 72 27361 66 73 27825 36 74 27885 26 75 27973 91 76 28065 84 77 28255 86	2988 -4 175744E+00 9434 -1 602368E-11 5261 -6 659578E+00	0.000	-1 404 0 000 5 762	0.000 6.344	
65 25971 42 66 26162 91 67 26269 74 68 26461 01 70 26786 84 71 26999 05 72 27361 66 74 27826 26 76 2806 84 77 2826 26 76 27973 91 76 2806 84 77 2868 26 78 2866 745	5261 -6.659578E+00 2899 5.607580E+00	6 937 2 362 0 000	5.702	6.344 -1.596	
65 25971 42 66 26162 91 67 26269 74 68 26461 01 70 26786 84 71 26999 05 72 27361 66 74 27826 26 76 2806 84 77 2826 26 76 27973 91 76 2806 84 77 2868 26 78 2866 745	2899 5.607580E+00 7305 -6.915784E-10	X . 304	4 148 0.000	-1.596 0.000	
67 26269 74 68 26461 01 69 26737 20 70 26786 84 71 26999 06 72 27351 68 74 27856 26 75 27973 91 76 28065 84 77 2868 42 78 2867 45 79 2865 45	4296 3 977357E-11	0.000	0.000	0.000	
67 26269 74 68 26461 01 69 26737 20 70 26786 84 71 26999 06 72 27351 68 74 27856 26 75 27973 91 76 28065 84 77 2868 42 78 2867 45 79 2865 45	9167 -1 453170E-10	0.000	8:888	0.000	
68 26461 01 69 26737 20 70 26786 84 71 26999 05 72 27351 68 73 27822 39 74 27865 26 75 27973 91 76 28066 84 77 28168 42 78 2867 45	7446 -3 045679E+00	-0.342	0.461 0.000	-1.536	
69 26737 20 70 26786 84 71 26999 05 72 27351 68 73 27852 39 74 27856 26 75 27973 91 76 28055 84 77 2868 42 78 2865 45	0156 -9 284779F-12	-0 342 0 000	0.000	-1.536 0.000	
71 26999 05 72 27351 68 73 27822 39 74 27865 26 75 27973 91 76 28065 84 77 28168 42 78 28567 45 79 28636 46	2059 2 194011E+00 8482 -4 090023E+00	-1 270	0.854 -7.054 0.000	0.085	
71 26999 05 72 27351 68 73 27822 39 74 27865 26 75 27973 91 76 28065 84 77 28168 42 78 28567 45 79 28636 46	8482 -4 090023E+00	-3 326 0 000	-7.054	1.362 0.000	
76 27973 91 76 28065 84 77 28168 42 78 28567 45 79 28635 45	0684 -1.346840E-11	0.000	0.000	0.000	
76 27973 91 76 28065 84 77 28168 42 78 28567 45 79 28635 45	6860 1.052459E-01	-0 133 0 000 0 000	-0.004 0.000	0 000	
76 27973 91 76 28065 84 77 28168 42 78 28567 45 79 28635 45	3949 9 866431E-11 2645 -3 602643E-12	X-XXX	8:888	7 707	
76 28065.84 77 28168.42 78 28567.45 79 28635.45	2645 -3 602643E-12 9175 3 448038E+00	-4 077	-0.843	2 126	
77 28168.42 78 28567.45 79 28635.45	9451 5 947240F-11	0 000	-0.843 0.000	2 126 0 000	
79 28635 46	4204 2.672439E+00	-2.177	1 192	1 124	
79 28635 46	4204 2 672439E+00 4597 1 153471E-10 4558 1 007128E+01	0.000	0.000	0.000	and the second s
OA ABBEE 34	4558 1 007128E+01	5 129	7.016	-2.451 0.000	
8V 28000.34	3417 2 036491E-10 6102 -6 263000E+00	0.000	0.000	0.000	
80 28656 34 81 28947 61 82 29615 67 83 29613 58	6102 -6.263000E+00	8.578	-1.315	-2 830 0 380 0 000 0 000	
82 29515.67	6775 -4.798596E+00 5861 2.583147E-10	1.611	6 065 0 000 0 000	0.380	
83 29613.58 84 29799.03	5861 2.563147E-10 0351 1.349068E-11	0 000 0 000	0.000	0.000	
84 29799 03	VJD: 1.3637/06E" 1	0.000	0.000	0:000	· · · · · · · · · · · · · · · · · · ·
85 29958 22 86 30041 72	2241 7 6612626-12	0 000 8 064	- F-772	0 000 0 172	
27 3020K K3	2241 7 561253E-12 7236 5 406830E-01	5.081	-2.257	2 200	
88 30215.25	2241 7 5612535 12 7236 5 4068305 01 5354 -6 8745165+00		ñ ñño	0.000	
89 30718 73 90 30760 91	2241 7 5612535 12 7236 5 4068305 01 5354 -6 8745165+00	0.000	بيونو ، ي		
90 30750 91	2241 7.561253E-12 7236 5.406830E-01 5364 -6.874516E+00	0.000 0.000 1.024	-2:257 0:000 0:000 0:859	0 000 0 000 0 183	

1HP003	-LOAD TAB;2		DISKE [KPOO	-1			16-DEC-88 16 11
91	30935 3633 31017 5194	3.862199E-12	0.000	0.000	0.000		
92	31017-5194 31166-3978	1 971285E+00 9 172428E-11	8.666	-9.182	8.888		
94 95	31219 1367	-2.996848E+00	0.239	2 802 0 000	0.257		
95 96	31337 8369 31453 1466	-2.996848E+00 -3.941069E-11 2.923217E+00	0.000 3.207	2.006	0.000 -1.232		
ad Cas		Modal Participat	ion Factors				
		1.	Global X	Load in Each P Global Y	Global Z		
Hode.		Participation_	Direction X 1.0E+02	X 1.0E+02	Direction		
mber	Frequency	Factor	X 1.0E+02		X 1.0E+02		
97	31666.4818	-1.054111E+00 6.275828E-01	0.573	0.471 -0.242 0.600	-0.298 -0.212 0.600		
98	31859 8627	6 275828E-01 1 407332E-10	0.573 0.137 0.000	-9.242 -			
100	31996 9426 32149 5738	-6 472879E-10	0 000	0.000	0.000		
101	32267 7877	-6 252501E+00	2 143 4 890 0 000 1 089	-3.426 -1.469	-8.501 0.467		
103	32327 1828 32373 9583	4 243088E+00 1 574373E-10	8.666	0.000	0.000		
104	32631.9218 32996.4943	5 583380E+00 3 102678E+00	1 089	3.864 0.946	-n E 14		
106	33012 3717	4.378021E-11	-1 454 0 000 0 000	0.000	0.000		
	33130 5488	-2 065194E-10 1 006156E-10	0.000 0.000	0.000 0.000	0.000 0.000		
108 109	224NE 9E30	-1.289818E+00	1.991	-1.126	0.282		
110	33696 2301	-1 2000 18 +00 -1 017750 +01 -2 223772 -09	1 991 10 099 0 000 2 981 0 000	-1 126 6 701 0 000	0 000 0 000 0 000 0 282 0 122 0 000		
111	33608 2365 33848 1156	-6 955131E+00	0.000 2.981	-4.453	2 603		
113	33985 7183	-6.966131E+00 -7.501532E-11 1.495303E-10	ỗ∶ỗỗỏ 0,000	0.000	0.000		
116	34008 3175	1 120370E+00	0.000 -1.724 0.000	-0.369	0.000		
116	34287.8902	4.074401E-12	0.000	0.000	0.000		
117 118	34559 0369 34697 2522	-5.045902E+00 -3.583102E-10	-3 441 0 000	1 201	0 703 0 000 0 336 0 000		
119	35008 3703	-7.030400E-01	0,297	0 134 0 000	0.336		
120 121	35017.8251	-8 898491E-11 -3 763653E+00	0.000 1.283	0.000 -0.174	0.000 3.064		
122	36129 9877 36526 9375 36652 5618 36831 3069	-6.188934E-11	1 283 0 000 -8 067 0 000 -1 836	0.000	3,064 0,000 -3,086		
123	35552.5518	-5 851269E+00 -2 291472E-10 -3 782452E-11	-8.067 0.000	~1.084 0.000	0.000 0.000		
125	355447 4786	-2 291472E-10 -3 782452E-11	0.000	0.000	0.000		
126	36083 6119 36321 6573	4 545259E+00 4 542181E+00	- 1 236	1 275			
128	26500 2274	-1 333767E-10	ŏ∴ <u>ŏŏŏ</u>	ŏ∴ ŏŏ ó	- 575		
129	36592 2129 36649 6406 36900 2609	-8 408115E-01 4 579680E-12	0.483 0.000 0.033 0.000 -1.876	-1.084 0.000 0.000 1.176 0.000 0.000 0.000	-0.315 0.000 8.600		
130	36900 2609	1.039241E-10	8:888	8:888	8:686		
132	36986 5876 37328 9177	2.316716E+00	-1.876	0 485	-1.091		•
133	37328.8177	4.692407E+00 1.871711E-10	2 836	0 485 -0 862 0 000	1 . \$56 8 . 666 6 . 666		
135	37645 6084	1.326377E-10 -6.911177E+00	0.000	0.000	0.000		
136 137	37714.2369 37918.6451	-5.911177E+00	-5.723 -1.318	0.630 -0.425 -0.782	-1.068 0.419	E-27	•
137	38110 6994	3.362025E+00 1.464373E+00 1.270126E-09	-0 506	-0.782	8,688	_ _ .	
139	38141.4341	1.270126E-09	0.000	0.000	0.000		

(MPDO	3-LOAD YAB; 2		DISKE [KPO	OL J			16-0	EC-88 16 11	Pag
140	38214.3872 38455.6499	3 .042270E+00 2 .826607E+00	-0.508 0.049	-0.045 -1.894	-1.031				÷
142	38455 8499 38505 8261	2.826607E+00 1.462689E-10	0 000	0.888	-1.219 0.668				
143	38929.3651	-1.414826E-09 -8.162688E+00	0 000	0,000 -3,430	0 000 7 064		•		
oad Cas	39003 2085 se 33 Load	Modal Participat	5.057	-3.430	7.084				
		/-	Physical	Load in Each l	ode/	 			
		B	Global X	Load in Each I	Global Z				
Mode umber	Frequency	Participation Factor	Direction X 1.0E+02	Direction X 1.0E+02	Direction X 1.0E+02				
								 -	
145 146	39212.0229 39229.2573 39320.9892	-4.477185E+00 -1.023993E-08 -7.14135EE-09 -6.605373E+00	2 . 804 0 . 000 0 . 000	-1 133 0 000 0 000 -4 820	-0.243 0.000				1
147	39320 9892	-7 141355E-09	0.000	0.000	0.000				
148	39446.4942	-6.605373E+00	1.844	-4.820	0.000 7.647 0.000				
149 150	39532 4159 39648 3726		0.000	0.000	0.000				
151	30752 5185	-2.547324E-09 4.327058E+00	0.000	0.000 -1.039	0.000 0.384				
151	39752 5185 39858 5332	-2 547324E-09 4 327058E+00 7 850886E-10	0 000	-1 039 0 000 1 034	8.384				
153	40008 7386 40276 3210		1 066	1.034	-1.117				
154 155	40276 3210	2.871858E+00	-0.164	0 102	0.601				
155 156 157	40293 8063 40415 7783	2 871858E+00 -5 296762E-09 -1 759967E+00 -9 389197E+00	-0 164 0 000 1 030	-0.476 1.168	-8.248				<u>—</u> i
157	40576.4465	-9.389197E+00	0 076 0 018 0 000 0 000	1.168	2.891				
158	40680 0891	3 527707E+00 -3 319961E-08	0.018	0.030	-0.507				1
159	40681 8302 40947 6838	-1 488229E-09	- 8-888 -		8.888	·			
161	40978.6367	-3 947964E-10	0.000	0 030 0 000 0 000 0 000	0.000		•		*
162	41199.3420	-3.947964E-10 -1.792811E-09	0.000	0.000	0.000				1
163	41291.0252	5 096447E+00 1 811020E-08	0 000 0 000 2 369 0 000	0 000 -0 960 0 000	1 752 0 000 -9 164				
165	41341.4451 41356.1824	5 690479F+00	3.845	1.403	0.000				
166	41634 6702	5.690479E+00 -7.157037E+00	0.736	-4.734	-0.048				- 1
167	41847 3430 42225 3819	2 044 150E - 09 -1 879 765E - 09	0 736 0 000 0 000	8 888	-0.048 0.000 0.000 -0.880 -0.150 0.000 0.000				
169	42284 5521	-3 340300E+00	1 370	0 000 0 632	0.000				
170	42495 4401	1.798834E-01	-0 107	0 033	-0.860 -0.160				- 1
171	42443.3823	2.197505E-09	0.000	0 033 0 000 0 000	0.000				
172 173	42443 3823 42587 8411 42873 5275 43049 7492	-2.319399E+00 1.798834E-01 2.19750E-09 -3.266109E-08 3.547960E-08 1.089101E+00	0.000	0.000	0.000				
174	42049 7492	3.54/96UE=U8	0.000	0.000	0.000		•		
175	43153.3591). BEEST/E-U/	0.000	0.000	0.000				
176	43192 0757		-0 469 0 000 0 000	0.000	Ŏ.659 0.660	· · · · · · · · · · · · · · · · · · ·			
177 178	43260 0832 43414 7486	5.348833E+00	-1.1 96	-0.032	-0.509 0.000		• -		
179	43650 8399	2 723624E-05	-1 196 0 000 0 000 1 351 0 000	-0.228 -0.000 -0.000 -0.032 -0.000 -1.005 -1.005	0.000				
179	43650 8399 43683 0604 43822 3742	4 600964E+00	1.351	-1.08E	-3 800 0 000				
181	43822.3742	3.813194E-06	0.000	0.000	. ŏ.ŏŏŏ	•			
182 183	43928 6836	3.071534E-05	0.000	0.000	0 000				
183	44081 3161 44361 0394	-8 8848835E+00 6 706961E-06 2 723624E-05 4 600964E+00 3 813194E-05 3 071534E-05 3 048849E+00 -1 618715E-03	-1 068 6 888	7 646	- 8 887 8 888				
185	44426 5359		-3 730 0 000	1.673	1 241				
186	44493 4098	-8 928462E-04	0.000	0.000	0.000				
187	44705 1053	5.494794E+00 4.521636E-01	-2.970 -6.366	1 873 0 000 0 874 -0 081	0 000 -1 076 0 082	· · · · · · · · · · · · · · · · · · ·			
, 55		32 TO3GE - U T	-0.300	-0.081	0.082				

189			DISK6: [KPO	NUL J		16-DEC-88 1	6 11 P
	44796 4593 44839 2645	-2.535337E-06 -1.109186E+00	0 000 -0 496	0.000 0.503	0.000		-
	44972 1034	-1.718695E+00	1.470	0 136 0 000	-1 297		
192 oad Car	45005 5440 • 33 Load	1.308245E-04 Modal Participat	0.000 ion Factors		0.000		
***		_	Global X	Global Y	Global Z		
Mode umber	Frequency	Participation Factor	Direction X 1.0E+02	Direction X 1.0E+02	Direction X 1.0E+02		
193	45079.0141 45137.9279 45249.5757 45373.0696	1.205334E-01	-0 125 0 000	0.077	-0.015		
194	45137 9279 45249 5757	-8.193386E-06 -1.111864E-04	0.000 0.000	0.000 0.000	0.000 0.000		
196	45373.0696	-1.111664E-04 1.084362E+00	-0 R34	0.209	O_684		
197	4542U.3768 45401.7138	1.485753E-04 7.848942E+00	0.000	0.000	0.000 -1.908		-
199	45683 7934	-8 85 1583E+00	2 814 -1 303 0 000	2.556 0.000	3.527		
200	45683 7934 45703 0905 45926 4220	7 848942E+00 -8 861593E+00 1 28813EE-05 6 878607E+00	2.115	1 092	3.527 0.000 0.318		
202 203	45990 6498 46012 0464	-3.5717865+00 2.2051875-03 -3.0313655+00	0 376 0 000	-0 527 0 000	-0 176		
204	46112 4220	-3.031365E+00	0.868	0.000	0 000 0 730 0 000		
205	46235 2532 46320 8098	2.88 2785E-03	0.000	0,000 -7,479	0.000		
207	46365.3678	-1.043968E+01 -6.422637E-06	3.236 0.000	0.000	-1 920 0 000 0 071		
204 205 206 207 208 209	46449 0939 46545 3896	-5.284893E-01	-0 042 -4 791	-0 160 -1 843	9.071	· · · · · · · · · · · · · · · · · · ·	
210	ARERE AROE	-3 929405E-04	0.000	0.000	-9 090 0 000 0 000		
211 212	48695.9479 48830.2085	2.969347E-04	0.000	0.000	0.000		
213	46695 9479 46830 2985 46863 9310	-3 929405E-04 2 989347E-04 -2 862301E-03 6 030568E+00 -8 112389E-04 -1 984247E+00	0 000 0 032 0 000	-1.742	0 000 -2 205 0 000		
214	47124 4596 47246 6260	-8 112389E-04 -1 984247E+00	0.000	0,000 -1,012	0.000		
215 216	47477 4131	-2 839495E+00 1 707723E-03	1,391 -0 560 0,000	- 1 366 0 666	0 155 0 873		
218	47516 2502 47597 1265	2 0754876±00	0.000	0.000			
210	47219 7419	3 978302E-04 -8 668136E-01	-1 026 0 000 0 210	0 167 0 000	-0.207 0.000		
220 221 222 223	47886 2288 47999 5792	2.316485E+00	- 0.210 -2.103	-0.314 8.768	0.086 0.112		
222	47999.5792 48126.4640 48156.3311 48382.6607	-2.203278E-03	-2.193 0.000	0.001	0.000		
223	48166.3311 48382 8807	-3.457777E+00 -4.175795E+00	-1.384 1.309	-0.408	-0.204 0.487		
225	48412.7807	2.128930E-03	1 398 0 000	0.430	0.000	· · · · · · · · · · · · · · · · · · ·	
225 225 226 227 228	48627 . 4962 48653 . 9824	-3.874685E+00 2.482331E+00	-0.043 -0.113	0.181	0.243		
278	48828 4441	-9.370133E-04	0.000	<u> </u>	0.000		
229	48972.2100 49072.5236	4 145882E+00 -6 554753E-04	0.950	2 151 0 000 -2 677 0 000	0 243 0 576 0 000 -1 430 0 000		
231	49338 . 1777	8 485237E+00	1.203	-2.323 6.000	-3.006		
233	49325 8370 49442 9498	2 422610E-04	-0 (13 -0 000 0 000 0 000 0 000 1 000 0 000	-2.323 6.000 0.000	-3.006 0.000 0.000		
230 231 232 233 234 236 236 237	49442 9498 49610 3261	2 422610E-04 5 939503E+00 -9 981367E+00	-0.579	-0.047	1,834		
236 236	49778 4751 49796 5998 49946 7658	-9.981367E+00 -1.125928E-03	-0.579 -6.589 0.000	-0.047 -1.547 -0.000 1.035	1.834 6.550 0.000 2.857	E-28	
237	49946 7558	5.372757E+00	-1.766	1.035	2.44	- 	

IMPOO:	3-LOAD TAB:2		DISK6: [KPC					16-DEC-88 16 11
238 239 240	63479 6542 65861 8086 65905 2180	-1.771600E-04 1.951514E+01 -6.414967E-02	0.000 -2.405 -0.009	0 000 2 267 6 666	0.000 1.286 0.001			e e
oad Car	se (33) Loso	-6.414967E-02 Model Participa	tion Eastens					
Mode		Participation	Global X Direction X 1.0E+02	Load in Each N Global Y Direction X 1.0E+02	Global Z Direction X 1.0E+02			·
umber	Frequency	Factor		X 1.0E+02	X 1.0E+02			
241 242 243	67508 5292 67666 8736 68783 0925	8 378901E+00 -9 13389EE-03 -1 930636E+01 1 410064E+00 -4 864538E+01	0.212 0.601	-0.002	1.852 0.866			
244	68783 0925 69763 9709	-1.930636E+01 1.410064E+00	-2.591 -0.102	2 081 0 236	-0.278 -0.036 0.309			
245	69769,9985		0.060	2.888				
Res	m of Modal Ph sultant of Ap	plied Load	39.655 38.685 3.86851E-01	24 108 21 155	-16 439 -17 823			
oad Car	te 34 Load	plied Load Modal Participa	TION FECTORS	_2_11545E-01	-1.78228E-01			
Mada		/·	Global X	Global Y Direction X 1.0E+02	Global Z			
<u>Mode</u> Umber	Frequency	Participation Factor	Global X Direction X 1.0E+02	X 1.0E+02	Direction X 1.0E+02			
1	1822.6353	1.242238E - 13 -4.089135E - 13 2.578542E+00	0 000 0 000 -0 681	0.000	0.000			
3	2249 4185 3945 7726 4100 8064 5075 8308	E 01738764NA	-0.681 -0.682	0 000 -0 233 0 427 0 000 0 000	0 000 -9.476 -11.260 0 000 0 000 0 000			
5	5075 8308 7894 4050	7 063068E - 12 -2 728283E - 12 1 485071E - 11	-0.842 0.000 0.000 0.000	0 00 0	0.000			i
8	7894 4050 8093 0523 8831 5289	-4 6150075-11	0.000 0.000	0.000	8:888			
10	9727 9254 9931 8538 9945 8979	6 966442E+00 1 119840E-09 -5 458496E+00	4 019	0 000 17 361 0 000 -3 780	0.000 8.821 0.000 8.890			
12	10639 5981	-5 458496E+00 3 254981E+00	0.000 8.378 4.254		8 890 4 432			······································
13 14 15	11784 3428 11827 3405 11834 4034	3 254981E+00 4 310727E-01 1 114121E+01 -4 485857E-09	4 264 0 246 0 958 0 000	0 106 3 185 0 000	4 432 0 128 -7 933 0 000			
16	11834 4034 12575 8349	-4 485857E-09 -3 360669E+00	6 598	0.000 -0.560	0.000 -4.571			
17 18 19	12575 8349 12852 4416 13952 5732 14220 0474	-3 360669E+00 -2 396329E+00 -1 943367E-11 3 152246E-11	4 527 0 000 8 888	-0.580 4.964 0.000	-4.571 -0.768 0.000 0.660			
20 21	14374 8945	1.8613836+00	1 406	0.000 5.129	-1.751			
- 22	14869 8609 14929 8547 15548 9861	1 678765E-11 3 283864E-11 -1 171938E+00	0 000 0 000 2 339 0 000 0 000	5 129 0 000 0 000 -1 297 0 000 0 000	0.000	• •	·	
22 23 24 25 26 27 28 29	15548 9861 16447 4653	-8.582092E-13 -4.464918E-11	0.000	-1.297 0.000	0 000 -0 681 0 000 0 000 -7 060 0 000			
- 35	16795 7514 18893 7514	1.036326E+01	5.319 8.668	-25 034 0 000	- 7 868 7 868		·	
28 29	16987 4620 17838 0283 18091 9781 18377 3672	-3 663410E+00 2 346179E-01 -9 115755E-12 -1 748229E-10	5 683 0 058 0 000 0 000	-4 814 -0 217 0 600 0 660	1 509 -0 156 0 000 0 000			
30	18091 9781	-9 115755E-12	0.000	8.886	<u>Ř 200</u>			
	18377.3672 3-LOAD TAB:2				0.00			18.0E^.00 16.11
1 4P00 3	3-LOAD TAB; 2		DISK8:[KPC	IOL]				16-DEC-88 16:11
1 4P00 3	3-LOAD TAB; 2	2 975628E+00 1 776994E+00 6 4E4917E-10	DISK6: [KPC -1.736 -1.536 -0.000	0 977 2 783	0 905 -1 100			16-DEC-88 16:11
1 4P00 3	3-LOAD TAB;2 18396, 8821 18512, 4999 18986, 2883 18986, 7470	2 975628E+00 1 77894E+00 -6 4E4917E-10 1 034732E-01	DISK6: [KPC -1.736 -1.535 0.000	0 977 2 783	0 905 -1 100			16-DEC-88 16:11
1 4P00 3	3-LOAD TAB; 2 18396, 8821 18512, 4939 18967, 4753 1998, 3451 1998, 3451 20118, 8672 20118, 8672	2 975628E+00 1 77894E+00 -6 4E4917E-10 1 034732E-01	DISK6: [KPC -1.796 -1.595 0.002 1.293 0.000	0 977 2 763 0 000 -0 025 -5 607 0 000	0 906 -1 106 0 000 0 028 3 218 0 000			16-DEC-88 16:11
IMPO03	3-LOAD TAB; 2 18396, 8821 18512, 4939 18967, 4753 1998, 3451 1998, 3451 20118, 8672 20118, 8672	2 975628E+00 1 77894E+00 -6 4E4917E-10 1 034732E-01	DISK6: [KPC -1.796 -1.595 0.002 1.293 0.000	0 977 2 763 0 000 -0 025 -5 607 0 000	0 906 -1 106 0 000 0 028 3 218 0 000			16-DEC-88 16:11
1MP003 32 33 34 36 37 38 39 40 41	9-LOAD TAB; 2 18396, 8821 18512, 4999 18965, 2883 18967, 4758 19986, 3451 19982, 4040 20118, 8672 20228, 8985 20441, 2134 21073, 8388	2 975628E+00 1 77894E+00 6 454917E-10 1 034732E-01 -1 800271E+01 1 181040E-12 1 869128E-11 1 14707E+00 1 316494E+00 4 48645E-11	DISK6: [KPC -1.736 -1.595 -0.000 0.000 0.000 0.000 0.000 0.521 -0.215	00L) 0 977 2 763 0 000 -0 025 -5 600 0 000 0 000 0 183 -0 037	0 905 -1 100 0 000 0 023 3 213 0 000 0 000 0 270 -0 647			16-DEC-88 16 11
32 33 34 36 36 37 38 39 40 41 42 43 44 44 45	9-LOAD TAB; 2 18396, 8821 18512, 4999 18965, 2883 18967, 4758 19986, 3451 19982, 4040 20118, 8672 20228, 8985 20441, 2134 21073, 8388	2 975628E+00 1 77894E+00 6 454917E-10 1 034732E-01 -1 800271E+01 1 181040E-12 1 869128E-11 1 14707E+00 1 316494E+00 4 48645E-11	DISK6: [KPC -1.736 -1.595 -0.000 0.000 0.000 0.000 0.000 0.521 -0.215	00L) 0 977 2 763 0 000 -0 025 -5 600 0 000 0 000 0 183 -0 037	0 905 -1 100 0 000 0 023 3 213 0 000 0 000 0 270 -0 647			16-DEC-88 16 11
32 33 34 36 36 37 38 39 40 41 42 43 44 46 46	3-LOAD TAB; 2 18396, 8821 18512, 4999 18965, 2883 18967, 4758 19986, 3451 19982, 4040 20118, 8672 20228, 8985 20441, 2134 21073, 8388	2 975628E+00 1 77894E+00 6 454917E-10 1 034732E-01 -1 800271E+01 1 181040E-12 1 869128E-11 1 14707E+00 1 316494E+00 4 48645E-11	DISK6: [KPC -1.736 -1.595 -0.000 0.000 0.000 0.000 0.000 0.521 -0.215	00L) 0 977 2 763 0 000 -0 025 -5 600 0 000 0 000 0 183 -0 037	0 905 0 000 0 023 3 218 0 000 0 000 0 270 -0 647 -0 000 0 223 0 020			16-DEC-88 16:11
323 343 3638 394 404 414 4243 4444 45647	3-LOAD TAB; 2 18396, 8821 18512, 4999 18965, 2883 18967, 4758 19986, 3451 19982, 4040 20118, 8672 20228, 8985 20441, 2134 21073, 8388	2 975628E+00 1 77894E+00 6 454917E-10 1 034732E-01 -1 800271E+01 1 181040E-12 1 869128E-11 1 14707E+00 1 316494E+00 4 48645E-11	DISK6: [KPC -1.736 -1.595 -0.000 0.000 0.000 0.000 0.000 0.521 -0.215	00L) 0 977 2 763 0 000 -0 025 -5 600 0 000 0 000 0 183 -0 037	0 906 -1 100 0 000 0 023 3 218 0 000 0 000 0 277 -0 000 0 283 0 021 0 000 0 000 0 000			16-DEC-88 16:11
32 33 34 36 37 38 39 40 41 43 44 46 46 47 48	3-LOAD TAB; 2 18396, 8821 18512, 4999 18965, 2883 18967, 4758 19986, 3451 19982, 4040 20118, 8672 20228, 8985 20441, 2134 21073, 8388	2 975628E+00 1 77894E+00 6 454917E-10 1 034732E-01 -1 800271E+01 1 181040E-12 1 869128E-11 1 14707E+00 1 316494E+00 4 48645E-11	DISK6: [KPC -1.736 -1.595 -0.000 0.000 0.000 0.000 0.000 0.521 -0.215	00L) 0 977 2 763 0 000 -0 025 -5 600 0 000 0 000 0 183 -0 037	0 906 -1 100 0 000 0 023 3 218 0 000 0 000 0 277 -0 000 0 283 0 021 0 000 0 000 0 000			16-DEC-98 16:11
32 33 34 35 36 38 39 40 41 42 43 44 45 46 47 48 Mode	9-LOAD TAB; 2 18396 821 18966 2883 18966 2883 18966 3451 19986 3451 19986 3451 19982 4040 2018 8672 2028 9985 20441 2134 20894 0888 21192 1832 21385 6993 21440 7917 21770 8601 21849 5606	2.975628E+00 1.77894E+00 -6.454917E-10 1.034732E-01 1.809718+01 1.81948E-12 1.85812E-11 1.602640E-11 1.47075E+00 1.316494E+00 -4.45545E-11 -8.73028E-01 -9.73028E-01 -1.094305E-11 -1.570447E-11 -2.818565E-11 Modal Participation	DISK6: [KPC -1.736] -1.535 -0.000 0.000 0.000 0.000 0.521 -0.215 -0.126 0.000 -0.126 0.0000 0.00	00L) 0 977 2 763 0 000 -0 025 -5 600 0 000 0 000 0 183 -0 037	0 906 -1 100 0 000 0 023 3 218 0 000 0 000 0 277 -0 000 0 283 0 021 0 000 0 000 0 000			16-DEC-98 16:11
32 33 34 35 36 38 39 40 41 42 43 44 45 46 47 48 Mode	3-LOAD TAB; 2 18396 8821 18512 4999 18965 2833 18967 4753 19967 4753 19987 4940 20118 8672 20228 9985 20441 2134 20894 0888 21107 3988 21118 2038 21128 1832 21340 7917 21770 8601 21849 5606	2.975628E+00 1.77894E+00 -6.454917E-10 1.034732E-01 1.809718+01 1.81948E-12 1.85812E-11 1.602640E-11 1.47075E+00 1.316494E+00 -4.45545E-11 -8.73028E-01 -9.73028E-01 -1.094305E-11 -1.570447E-11 -2.818565E-11 Modal Participation	DISK6: [KPC -1.736] -1.535 -0.000 0.000 0.000 0.000 0.521 -0.215 -0.126 0.000 -0.126 0.0000 0.00	00L) 0 977 2 763 6 000 -0 025 -5 607 0 000 0 000 0 183 -0 037 0 000 0 117 0 000 0 0	0 905 -1 094 -0 000 0 0218 -0 000 0 020 0 270 -0 647 -0 000 0 021 0 000			16-DEC-88 16:11
32 33 34 36 38 39 40 41 42 43 44 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	3-LOAD TAB; 2 18396 8821 18512 4999 18965 2833 18967 4753 19967 4753 19987 4940 20118 8672 20228 9985 20441 2134 20894 0888 21107 3988 21118 2038 21128 1832 21340 7917 21770 8601 21849 5606	2.975628E+00 1.77894E+00 -6.454917E-10 1.034732E-01 1.809718+01 1.81948E-12 1.85812E-11 1.602640E-11 1.47075E+00 1.316494E+00 -4.45545E-11 -8.73028E-01 -9.73028E-01 -1.094305E-11 -1.570447E-11 -2.818565E-11 Modal Participation	DISK6: [KPC -1.736 -1.736 -1.736 -1.735 -1.7	00L) 0 977 2 783 6 000 -0 025 -5 607 0 000 0 000 0 183 -0 037 0 000 0 117 0 000	0 905 -1 104 0 000 0 023 3 218 0 000 0 000 0 270 -0 647 0 000 0 023 0 000 0 0 000 0 0 000 0 0 000 0 0 0 0			16-DEC-88 16 11
32 334 36 37 38 39 40 41 42 43 44 46 46 47 47 48 48 48 48 48 48 48 48 48 48 48 48 48	3-LOAD TAB; 2 18396 8821 18512 4999 18965 2833 18967 4753 19967 4753 19987 4940 20118 8672 20228 9985 20441 2134 20894 0888 21107 3988 21118 2038 21128 1832 21340 7917 21770 8601 21849 5606	2 975628E+00 1 77894E+00 -6 464917E-10 -1 024917E-10 -1 800271E+01 -1 800271E+01 -1 869128E-11 -1 602840E-01 -1 14707E+00 1 116485E-11 -4 46545E-11 -4 81498E-01 -9 730286E-01 -1 094305E-11 -1 570447E-11 -2 81856E-11 Modal Pacticinal -1 68388E-01 -1 98532E-11 -1 88532E-11 -1 88532E-11 -1 98582E-01 -1 99562E-01 -1 99562E-01 -1 99562E-01 -1 99562E-01 -1 99562E-00 -2 08918E-00	DISK6: [KPC -1.736 -1.736 -1.736 -1.735 -1.7	00L) 0 977 2 783 6 000 -0 025 -5 607 0 000 0 000 0 183 -0 037 0 000 0 117 0 000	0 905 -1 104 0 000 0 023 3 218 0 000 0 000 0 270 -0 647 0 000 0 023 0 000 0 0 000 0 0 000 0 0 000 0 0 0 0			16-DEC-88 16 11
32 334 36 37 38 39 40 41 42 43 44 46 46 47 47 48 48 48 48 48 48 48 48 48 48 48 48 48	3-LOAD TAB; 2 18396 8821 18512 4999 18965 2833 18967 4753 19967 4753 19987 4940 20118 8672 20228 9985 20441 2134 20894 0888 21107 3988 21118 2038 21128 1832 21340 7917 21770 8601 21849 5606	2 975628E+00 1 778904E+00 -6 464917E-10 1 034732E-10 1 18046E-11 1 180284E-11 1 18707E-00 1 316494E-00 -1 316494E-10 -1 316494E-10 -1 304305E-11 -1 570447E-11 -2 81856E-11 Modal Participal Participation 1 08338E-00 -1 818582E-10 2 455158E-00 -2 089188E-00 -2 089188E-00	DISK6 [KPC -1 736 -1 53	00L) 0 977 2 763 0 000 0 025 -5 807 0 000 0 183 -0 037 0 000 0 183 0 117 0 000	0.906 -1.100 0.023 3.218 0.000 0.000 0.000 0.277 0.000 0.283 0.021 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000			16-DEC-88 16 11
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DISKE: [KPOOL]

. THPOO3-LOAD TAB:2

IMPDO:	-LOAD YAB;2		DISKE KP	SOLT	····		16-DEC-88 1	6 17 Pa
81	28947.6102	-2.409720E+00	3.300	-0 E06	-1,089		10-WEL-90	7
82 83	29613.5861	-6 484227E+00 5 190672E-10	8 176	8 196 0 000 0 000	8:514			
84 85	29913 5861 29799 0361 29958 2241 30041 7236 30206 5354 30215 2579 30718 7320	1 676452E-11	Ö.000 0.000	0 000 0 000	0.000 0.000			
85	30041 7236	-8.751743E+00 -1.335302E+00 -2.727964E-10 -3.656284E-11	-1.042	-4.429	-2.791		· · · · · · · · · · · · · · · · · · ·	
88	30215 2579	-2 727964E-10	0.000	0.000	0.000			
89 90 91	30718 7320 30750 9109	-3.555284E-11 -1.532530E+00	0 00 0 -0 923	0.000	0.000 -0.165			
97 92	30750 9109 30935 3633 31017 5194	-1 532530E+00 6 433241E-11	0 923 0 000 0 115	0.000	0.000			
93	31166.3978	6.537862E-01 6.635947E-11	0.000	~0.064 0.000	0.089 0.000			
<u>94</u>	31219 1357 31337 8369	4 147662E+00 -8 012978E-11	-8.331	-3.880 0.000 0.711	-0.365 0.000			
96 ad Cas	31453.1466 (e.: 34) Load	1.036723E+00 I Modal Participat	1.137	0.711	-0.437			
		/-	Global X	Global V	Mode/			
Mode	.	Participation	Direction X 1.0E+02	Direction X 1.0E+02	Direction			-,
mber	Frequency	Factor		X 1.0E+02	X 1.0E+02			
97 98	31666 4818 31859 6627	3.246028E+00 8.865236E+00	-1 764 1 935	-1.452 -3.421	0.916 -3.001 0.000			
99	31996 9496	8 865236E+00 8 906581E-11 5 119798E-12 -6 901952E-01	0 000	-3.421 0.000 0.000	Ŏ ŎŎ O			
100	32149 5738 32267 7877 32327 1828 32373 9683	-6 901952E-01 -3 103422E-01	0.237	-0.378	0.000 -0.938 -0.034			
102	32373 9583	4 168151E-11	-0.343 0.000	0.107 0.000	0.000			;
104	32931 9218 32996 4943	-2.652293E+00 3.866786E+00	-0.508	-1.736 1.778	-0.330 -0.641			
106	33012 3717 33130 5488	-2.055666E-11 -1.664343E-10	0 000 0 000	0 000 0 000	0.000			
108	33285 9096 33406 8530	8 077224E - 11 -5 398498E+00	0.000 8.466	0 000 -4.788	0 000 0 000 1 200		<u> </u>	
110	33695 2301 33698 2365	2 1205025.00	-3.046	-4.788 -2.021 0.000	1,200 -2,762 0,000			
1112	33608 . 2365 33848 . 1156	5 .833388E - 10 7 .420327E - 01 1 .374015E - 10 6 .004098E - 10 5 .706278E + 00	0.000 -0.318	0.000 0.475	-2.752 0.000 0.278			
113	33848 1156 33965 7183 34008 3175	1 374015E-10	-0.318 0.000 0.000	0.475 0.000 0.000	7 747			
115	34018 2670	5 706278E+00	-8.780	-1.880	0.989			:
115	34287 8902 34559 0369	-4 364628E-AA	-8 780 0 000 -2 988	0.000	0.000 0.989 0.000 0.611 0.000			·
118	34697.2522 35008.3703	-2 488932E - 10 -1 022877E+01 -4 E44142E - 10 3 806778E+00	- n nnn	0.000	0.000 4.895	*		!
120	35017 8251 35129 9877	-4 544142F-10	4 325 0 000 -1 308	0 000 0 175	0.000			
122	35526 9375 36552 5518	4 411747E-11	0.000	0.000	0.000			
123 124 125	35831.3059 35831.3059 35987.9786	2.484162E+00 -1.149867E-10	3.425 0.000	0 000 0 460 0 000 0 000	1.310			
125 126	35987.9786 36083.6119	-1 149867E-10 8 484456E-13 3 344729E+00	0 000 0 000 -1 424	0.000	0 000 0 000 0 369			
126 127	36321 6573	-5.832453E-01	-0.059	0. 86 6 -0.120	0.202			
128	36500 2374 36592 2129	-1 730416E-10 -3 099738E+00	0.000	0.000	0 202 0 000 -1 162			
						****		:
MPD03	-LOAD TAB; 2	· · · · · · · · · · · · · · · · · · ·	DISKE (KP	XOL]	·		16-DEC-88 1	6-11 Pe
130	36649.6406	2.104038E-10	0.000	0.000	0.000			
131	36986 5876	-9 796638E+00 -4 298697E+00 4 775658E-10	0,000 0,000 7,933 -2,598 0,000	0 000 0 000 -2 050	<u>0 000</u>			
133	37328 9177 37619 3414	-4 298697E+00	-2 508 0 000	0.781	-1.700		10 m	i i
135	37845 6084	-2.572103E-10	0 000 0 000 -2.782	0.781 0.000 0.000 0.304	0 000 0 000 4 613 -1 700 0 000 0 000			
136 137	37714 2369 37714 6451	-3.335045E+00 1.225369E+00	-0.482	0.304 -0.155	-0.515 0.163	, and a second		
138	38110 6994	- 1 .801559E+00	0 622 0 000	-0.155 0.962 0.000 -0.080	0 153 0 904 0 000 -1.846			
139	38214 3872	4 775568 - 10 -2 5721035 - 10 -3 335045 + 00 1 2253695 + 00 -1 801558 + 00 2 859928 - 09 5 449036 + 00 -2 880998 + 00 -1 85928 5 - 00	-0 910	-0.080	-1.846			
142	38455 6499 38505 8261	-1.659258E-09	-0.060 0.000	1.727 0.000 0.000	1,242 0,000			ı
144	38929 365 j 39003 2065 se (34) Load	-1.659258E-09 -4.285146E-10 -5.001607E+00	0 000 3 098	-2.101	1 242 0 000 0 000 4 328			
ad Cas	se (34) Load	Modal Participat	ion Factors					1
lode		Participation	Global X	Direction X 1.0E+02	Globel Z Direction			
nber	Frequency	Factor	X 1.0E+02	X 1.0E+02	X 1.0E+02		•	
	20212 0220	5 F40F000 . 50	.4 000		A A.			

132 1880 1876 1885 1885 1886 1	130	36900 2809	-9 R28184E-11	ÿ. 900	0.000	0.000					1
138 38110 6894 -1 8015686-00 0 622 0 662 0 604 139 38141 43841 2 88928-00 0 000 0 000 0 000 140 38214 3872 5 449036-00 -0 910 -0 080 -1 846 141 38455 6896 -2 88996-00 0 000 0 000 0 000 142 38505 8261 -1 658258-09 0 000 0 000 0 000 143 38505 8261 -1 658258-09 0 000 0 000 0 000 144 38003 2055 -6 215146-10 0 3 099 -2 100 0 000 144 38003 2055 -6 01807 10 10 10 144 38003 2055 -6 215146-10 0 10 10 10 145 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 147 38405 8292 579 1 178311 -0 0 000 0 0 148 38003 2053 1 178311 -0 0 0 0 0 149 38003 2053 1 178311 -0 0 0 0 0 0 149 38003 2053 1 178311 -0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 2053 -0 0 0 0 0 0 0 150 38648 3726 2 572788 -0 0 0 0 0 0 0 0 151 38752 5859 1 10 10 10 10 10 152 38858 5322 2 509664 -0 0 0 0 0 0 0 0 153 38003 3803 4 288807 -0 0 0 0 0 0 0 0 154 40076 3210 1 57410 0 0 0 0 0 0 0 0 155 40415 7783 -1 188400 0 0 0 0 0 0 0 0 156 40415 7783 -1 188400 0 0 0 0 0 0 0 0 159 40603 3003 4 288807 0 0 0 0 0 0 0 0 0	132	TROSE ERTE	- 0 700c00E-AA	Y 022	- X-X-X	9.000					4
138 38110 6894 -1 8015686-00 0 622 0 662 0 604 139 38141 43841 2 88928-00 0 000 0 000 0 000 140 38214 3872 5 449036-00 -0 910 -0 080 -1 846 141 38455 6896 -2 88996-00 0 000 0 000 0 000 142 38505 8261 -1 658258-09 0 000 0 000 0 000 143 38505 8261 -1 658258-09 0 000 0 000 0 000 144 38003 2055 -6 215146-10 0 3 099 -2 100 0 000 144 38003 2055 -6 01807 10 10 10 144 38003 2055 -6 215146-10 0 10 10 10 145 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 147 38405 8292 579 1 178311 -0 0 000 0 0 148 38003 2053 1 178311 -0 0 0 0 0 149 38003 2053 1 178311 -0 0 0 0 0 0 149 38003 2053 1 178311 -0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 2053 -0 0 0 0 0 0 0 150 38648 3726 2 572788 -0 0 0 0 0 0 0 0 151 38752 5859 1 10 10 10 10 10 152 38858 5322 2 509664 -0 0 0 0 0 0 0 0 153 38003 3803 4 288807 -0 0 0 0 0 0 0 0 154 40076 3210 1 57410 0 0 0 0 0 0 0 0 155 40415 7783 -1 188400 0 0 0 0 0 0 0 0 156 40415 7783 -1 188400 0 0 0 0 0 0 0 0 159 40603 3003 4 288807 0 0 0 0 0 0 0 0 0	133	37328 9177	-4 298897F+00	-2 E08	7.000	4 D13					1
138 38110 6894 -1 8015686-00 0 622 0 662 0 604 139 38141 43841 2 88928-00 0 000 0 000 0 000 140 38214 3872 5 449036-00 -0 910 -0 080 -1 846 141 38455 6896 -2 88996-00 0 000 0 000 0 000 142 38505 8261 -1 658258-09 0 000 0 000 0 000 143 38505 8261 -1 658258-09 0 000 0 000 0 000 144 38003 2055 -6 215146-10 0 3 099 -2 100 0 000 144 38003 2055 -6 01807 10 10 10 144 38003 2055 -6 215146-10 0 10 10 10 145 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 147 38405 8292 579 1 178311 -0 0 000 0 0 148 38003 2053 1 178311 -0 0 0 0 0 149 38003 2053 1 178311 -0 0 0 0 0 0 149 38003 2053 1 178311 -0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 2053 -0 0 0 0 0 0 0 150 38648 3726 2 572788 -0 0 0 0 0 0 0 0 151 38752 5859 1 10 10 10 10 10 152 38858 5322 2 509664 -0 0 0 0 0 0 0 0 153 38003 3803 4 288807 -0 0 0 0 0 0 0 0 154 40076 3210 1 57410 0 0 0 0 0 0 0 0 155 40415 7783 -1 188400 0 0 0 0 0 0 0 0 156 40415 7783 -1 188400 0 0 0 0 0 0 0 0 159 40603 3003 4 288807 0 0 0 0 0 0 0 0 0	134	37619 3414	4 776568F-10	6.886	ň óno	1.600					į
138 38110 6894 -1 8015686-00 0 622 0 662 0 604 139 38141 43841 2 88928-00 0 000 0 000 0 000 140 38214 3872 5 449036-00 -0 910 -0 080 -1 846 141 38455 6896 -2 88996-00 0 000 0 000 0 000 142 38505 8261 -1 658258-09 0 000 0 000 0 000 143 38505 8261 -1 658258-09 0 000 0 000 0 000 144 38003 2055 -6 215146-10 0 3 099 -2 100 0 000 144 38003 2055 -6 01807 10 10 10 144 38003 2055 -6 215146-10 0 10 10 10 145 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 147 38405 8292 579 1 178311 -0 0 000 0 0 148 38003 2053 1 178311 -0 0 0 0 0 149 38003 2053 1 178311 -0 0 0 0 0 0 149 38003 2053 1 178311 -0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 2053 -0 0 0 0 0 0 0 150 38648 3726 2 572788 -0 0 0 0 0 0 0 0 151 38752 5859 1 10 10 10 10 10 152 38858 5322 2 509664 -0 0 0 0 0 0 0 0 153 38003 3803 4 288807 -0 0 0 0 0 0 0 0 154 40076 3210 1 57410 0 0 0 0 0 0 0 0 155 40415 7783 -1 188400 0 0 0 0 0 0 0 0 156 40415 7783 -1 188400 0 0 0 0 0 0 0 0 159 40603 3003 4 288807 0 0 0 0 0 0 0 0 0	136	37845 6084	-2 672103E-10	0.000	0.000	0.000			4		
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138 38110 6894 -1 8015686-00 0 622 0 662 0 604 139 38141 43841 2 88928-00 0 000 0 000 0 000 140 38214 3872 5 449036-00 -0 910 -0 080 -1 846 141 38455 6896 -2 88996-00 0 000 0 000 0 000 142 38505 8261 -1 658258-09 0 000 0 000 0 000 143 38505 8261 -1 658258-09 0 000 0 000 0 000 144 38003 2055 -6 215146-10 0 3 099 -2 100 0 000 144 38003 2055 -6 01807 10 10 10 144 38003 2055 -6 215146-10 0 10 10 10 145 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 146 38003 2055 -7 10 10 10 147 38405 8292 579 1 178311 -0 0 000 0 0 148 38003 2053 1 178311 -0 0 0 0 0 149 38003 2053 1 178311 -0 0 0 0 0 0 149 38003 2053 1 178311 -0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 178311 -0 0 0 0 0 0 0 140 38003 2053 1 2053 -0 0 0 0 0 0 0 150 38648 3726 2 572788 -0 0 0 0 0 0 0 0 151 38752 5859 1 10 10 10 10 10 152 38858 5322 2 509664 -0 0 0 0 0 0 0 0 153 38003 3803 4 288807 -0 0 0 0 0 0 0 0 154 40076 3210 1 57410 0 0 0 0 0 0 0 0 155 40415 7783 -1 188400 0 0 0 0 0 0 0 0 156 40415 7783 -1 188400 0 0 0 0 0 0 0 0 159 40603 3003 4 288807 0 0 0 0 0 0 0 0 0	137	37918.6451	1 2253595+00	-0 482	-0.155	0.163					1
Load Case 34 Load Model Participation Factors Prysical Load in Each Mode Participation Direction D	138		-1 801559F+00	0 622	0.982	γ. 193 1					
Load Case 34 Load Model Participation Factors Prysical Load in Each Mode Participation Direction D	139	38141.4341	2 859926E-09	ŏ: ŏŏō	ŏ. ŏŏō	0.000					
Load Case 34 Load Model Participation Factors		38214.3872	5.449035E+00	-0 ⊈10	-0.080	-1 946					-
Load Case 34 Load Model Participation Factors	141	38455 6499	-2 22009RF+00	-0.060	1.727	1 242					
Load Case 34 Load Model Participation Factors	142	38505 . 8261	-1.659258E-09	0 000	ó : ó ŏ ó	0.000					'
Load Case 34 Load Model Participation Factors		38929 3651	-4.285148E-10	0 000	0.000	0.000					1
Note	144	39003,2065	-5 00 1607E+00	3.098	-2.101	4.328					
Number Participation Direction Dir	iLoad Ca:	se (34) Load	i Modal Participa	tion Fac <u>tors</u>						1	1
Number Participation Direction Dir	U		/	Physical	Load in Each I	4ode/					
Number Frequency Factor X 1 0E+02 X 1 0E+02 X 1 0E+02	Hada		Bank to to add to	Global X	Globel Y	Global Z					1
146 30212 0229 6 5125076+00 -4 078 1 848 0 354 146 30220 2573 1 1783116-08 0 000 0 000 0 000 147 30220 2573 1 1783116-08 0 000 0 000 0 000 148 30446 4042 -3 6315406-02 0 010 -0 286 0 042 149 30446 4042 -3 6315406-02 0 010 -0 286 0 042 149 30543 4150 2 3653477-03 0 000 0 000 0 000 150 30648 3726 2 572798-03 0 000 0 000 0 000 151 30752 5185 -1 074702+00 0 283 0 258 -0 000 152 30858 5332 2 508684-00 0 000 0 000 0 000 153 30858 5332 2 508684-00 0 000 0 000 0 000 154 40276 3210 -1 5764105+00 0 080 -0 156 0 169 154 40276 3210 -1 5764105+00 0 080 -0 156 0 169 155 40293 8063 1 428675-00 0 000 0 000 0 000 155 40283 8063 1 428675-00 0 000 0 000 0 000 156 40415 7783 -1 1264406+01 6 650 -3 075 -1 548 157 40676 4466 -9 8080385-01 0 828 0 121 0 289 158 40880 0891 -6 3885235-00 0 000 0 000 0 000 180 40947 6338 -5 718006-10 0 000 0 000 0 000 181 40971 6367 1 084781-10 0 000 0 000 0 000 182 4199 3420 3 64824-09 0 000 0 000 0 000 0 000 183 41291 0252 -6 2086316+00 -2 273 1 189 2 133 184 41341 4451 1 5064205-08 0 000 0 000 0 000 185 41361 1802 -2 86825-00 0 0 275 -1 5860 186 41341 6451 1 5064205-08 0 000 0 000 0 000 188 4225 3819 2 8724035-09 0 000 0 000 0 000 188 4225 3819 2 8724035-09 0 000 0 000 0 000 0 000 188 4225 3819 2 8724035-09 0 000 0 000 0 000 0 000 0 000 0 000 0 0	MOUS	Fnomionau	Participation	Ultection	Direction	Direction					1
148 39546 4942 - 3.631640c-02	ACMIDAL.	rrequency	Factor	X 1.0E+02	X 1.0E+02	X 1.0E+02					
148 39546 4942 - 3.631640c-02	145	30212 0220	6 E19E09E+00	4 070	4 040	0.054				!	!
148 39546 4942 - 3.631640c-02	146	20220 2572	1 1963 (15-76)			X-894					į.
148 39546 4942 - 3.631640c-02	147	30330 0803	E 8789575-00	ŏ.866	0.000	ÿ. 000					1
150 398548 3726 2.572798E-09 0.000 0	148	30446 4042	-3 6315405-02	0.000	-0.000	0.000			1.5°		1
150 398548 3726 2.572798E-09 0.000 0	149	39532 4159	2 3859475-00	0.000	70.000	0.000					1
15	150	39648 3726	2 572798E-09	0 000	8 888	X 888					4
156 40415 7783 -1 1364405+01 6.850 -3.076 -1 548 157 40576 4465 -9.896936-01 0.828 0.121 0.289 158 40840 0191 -6.3889525+00 -0.033 -0.065 0.918 159 40840 1891 -6.3889525+00 -0.033 -0.065 0.918 159 40841 18902 8.851325-08 0.000 0.000 0.000 160 40947 6838 -5.7189096-10 0.000 0.000 0.000 161 40978 6367 1.087346-10 0.000 0.000 0.000 162 41199.3420 3.645245-09 0.000 0.000 0.000 163 41291.0252 -6.2989316+00 -2.873 1.89 -2.123 164 41341.4451 1.5064205-08 0.000 0.000 0.000 165 41365 1824 3.831948+00 0.2873 1.89 -2.123 166 41634.6702 -2.67825+00 0.265 0.877 -5.860 167 41847.3430 -1.1024848-10 0.000 0.000 0.000	151	39752.5185	- 1 074702E+00	0.293	0.268	-0.090					
156 40415 7783 -1 1364405+01 6.850 -3.076 -1 548 157 40576 4465 -9.896936-01 0.828 0.121 0.296 158 40880 0891 -6.3889525+00 -0.033 -0.065 0.918 159 40881 8302 8.851325+00 -0.033 -0.065 0.918 159 40881 8302 8.851325+00 0.000 0.000 160 40947 8838 -6.7189096-10 0.000 0.000 0.000 161 40978 8367 1.087348-10 0.000 0.000 0.000 162 41199.3420 3.84524-09 0.000 0.000 0.000 163 41291 0252 -6.2989316+00 -2.873 1.89 -2.123 164 41341.4451 1.508420-08 0.000 0.000 0.000 165 41365 1824 3.831948+00 0.2459 0.877 -5.860 166 41834 6702 -2.67825+00 0.265 0.877 -5.860 167 41847 3430 -1.1024828+00 0.265 0.000 0.000 0.000	152	39858 5332	2.509864E-09	Ŏ.ŌŎŎ	ŏ:ōŏŏ	0.000					
156 40415 7783 -1 1364405+01 6.850 -3.076 -1 548 157 40576 4465 -9.896936-01 0.828 0.121 0.296 158 40880 0891 -6.3889525+00 -0.033 -0.065 0.918 159 40881 8302 8.851325+00 -0.033 -0.065 0.918 159 40881 8302 8.851325+00 0.000 0.000 160 40947 8838 -6.7189096-10 0.000 0.000 0.000 161 40978 8367 1.087348-10 0.000 0.000 0.000 162 41199.3420 3.84524-09 0.000 0.000 0.000 163 41291 0252 -6.2989316+00 -2.873 1.89 -2.123 164 41341.4451 1.508420-08 0.000 0.000 0.000 165 41365 1824 3.831948+00 0.2459 0.877 -5.860 166 41834 6702 -2.67825+00 0.265 0.877 -5.860 167 41847 3430 -1.1024828+00 0.265 0.000 0.000 0.000	153	40008 7386	-8.841050E-01	-0.160	-0.166	0 189					
156 40415 7783 -1 1364405+01 6.850 -3.076 -1 548 157 40576 4465 -9.896936-01 0.828 0.121 0.296 158 40880 0891 -6.3889525+00 -0.033 -0.065 0.918 159 40881 8302 8.851325+00 -0.033 -0.065 0.918 159 40881 8302 8.851325+00 0.000 0.000 160 40947 8838 -6.7189096-10 0.000 0.000 0.000 161 40978 8367 1.087348-10 0.000 0.000 0.000 162 41199.3420 3.84524-09 0.000 0.000 0.000 163 41291 0252 -6.2989316+00 -2.873 1.89 -2.123 164 41341.4451 1.508420-08 0.000 0.000 0.000 165 41365 1824 3.831948+00 0.2459 0.877 -5.860 166 41834 6702 -2.67825+00 0.265 0.877 -5.860 167 41847 3430 -1.1024828+00 0.265 0.000 0.000 0.000	154	#U27h 321U	-1.575410E+00	0.090	-0.056	-0.330					•
157	155	40293.8063	1.426867E-09	0.000	0.000	0.000			*		
154 40840 0181 -6.3883621-00 -0.023 -0.085 0.818 159 40841 18302 8.861125-08 0.000 0.000 0.000 160 40947 8838 -6.7188096-10 0.000 0.000 0.000 161 40947 8338 -6.7188096-10 0.000 0.000 0.000 162 41199.3420 3.8481241-09 0.000 0.000 0.000 163 41281 0252 -6.2088316-00 -2.873 1.88 -2.183 164 41341.4451 1.508420-08 0.000 0.000 0.000 165 41365 1824 3.8319481-00 0.265 0.000 0.000 0.000 166 41346 6702 -2.67825-00 0.265 0.877 -5.860 167 41847 3430 -1.1028481-00 0.265 -1.77 -0.018 168 42225 3819 -1.1028481-00 0.000 0.000 0.000	156	40415.7783	-1 136440E+01	6.660	-3.076	-1,548					
185 41355 1824 3 \$3\$9485-00 2 459 0 827 -5 860 186 41834 6702 - 2 678425-00 0 275 -1 771 -0 018 187 41847 3430 -1 1028485-10 0 0000 0 000 188 4225 3819 2 9724035-09 0 000 0 000	157	406.75 44.65	-9.698936E-01	0.628	D 121	0.299					
185 41355 1824 3 \$3\$948 \$-00 2 459 0 837 -5 860 186 41834 6702 - 2 678425 +00 0 275 -1 771 -0 018 187 41847 3430 -1 102848 \$-10 0 0000 0 0000 188 4225 3819 2 972403 \$-09 0 000 0 0000 188 4225 3819 2 972403 \$-09 0 000 0 0000	154	40680 0891	-6 388362E+00	-0.033	-0.0 5 5	0.918					'
185 41355 1824 3 \$3\$948 \$-00 2 459 0 837 -5 860 186 41834 6702 - 2 678425 +00 0 275 -1 771 -0 018 187 41847 3430 -1 102848 \$-10 0 0000 0 0000 188 4225 3819 2 972403 \$-09 0 000 0 0000 188 4225 3819 2 972403 \$-09 0 000 0 0000	159	40047 8302	6.551125E-08	0.000	0.000	Q. QQ Q					1
185 41355 1824 3 \$3\$9485-00 2 459 0 827 -5 860 186 41834 6702 - 2 678425-00 0 275 -1 771 -0 018 187 41847 3430 -1 1028485-10 0 0000 0 000 188 4225 3819 2 9724035-09 0 000 0 000	100	40070 0000	-6 719009E-10	0.000	0.000	0.000					ì
185 41355 1824 3 \$3\$948 \$-00 2 459 0 837 -5 860 186 41834 6702 - 2 678425 +00 0 275 -1 771 -0 018 187 41847 3430 -1 102848 \$-10 0 0000 0 0000 188 4225 3819 2 972403 \$-09 0 000 0 0000 188 4225 3819 2 972403 \$-09 0 000 0 0000	162	41100 2420	3 04F654F 55	- 2.000	9.900	0.000					j
185 41355 1824 3 \$3\$9485-00 2 459 0 827 -5 860 186 41834 6702 - 2 678425-00 0 275 -1 771 -0 018 187 41847 3430 -1 1028485-10 0 0000 0 000 188 4225 3819 2 9724035-09 0 000 0 000	182	41301 DOES	3.0456245-09	0.000	0.000	0.000					!
185 41355 1824 3 \$3\$948 00 2 459 0 837 -5 860 186 41834 6702 - 2 678425 00 0 275 -1 771 -0 018 187 41847 3430 -1 102848 00 0 000 0 000 188 4225 3819 2 972403 09 0 000 0 000 188 4225 3819 2 972403 09 0 000 0 000	184	41241 4451	1 5064005-00	-2.2/3	7.109	-2.133					}
188 42225.3819 2.972403E-09 0.000 0.000 0.000	185	41356 1834	2 8280495-00		0.000	9.000				1	i
188 42225.3819 2.972403E-09 0.000 0.000 0.000	166	41834 6702	-3 #1659E JK	- 6 392		ADU	· · · · · · · · · · · · · · · · · · ·				á .
168 42225 3819 2 9724036-09 0 000 0 000 0 000 1 000 1 000 1 000 1 0	167	41847 3430	-1 102848E-10	ň ňá	-7.444	-0.018					
169 42284 5523 4 7630736 500 -2 814 -1 287 1 368 170 42436 4401 6 165446 600 -3 662 1 122 -5 137 1 124 1 127 1 128 1 127 1 128 1 1	162	42225 3819	2 9724035-09	0.000	8 888	ÿ. 200 0					
170	169	42284 BB21	4 763079E+00	-2 814	-1.202	1.000		·			
171 42443 3823 1 3653225 08 0 000 0 000 0 000 172 42587 8411 -7 4143125 09 0 000 0 000 0 000 173 42573 5275 1 6912005 09 0 000 0 000 0 000 173 42873 5275 1 6912005 09 0 000 0 000 0 000 174 43049 7482 8 112836 00 -2 635 -1 277 3 901 175 43153 3691 -5 6781455 09 0 000 0 000 0 000 178 43192 0757 -2 0088175 07 0 000 0 000 0 000 0 000 178 43192 0757 -2 0088175 07 0 000 0 000 0 000 0 000 0 000 178 43193 0757 -2 0088175 0 0 000 0 000 0 000 0 000 0 000 0 000 0	170	42435.4401	R 1583455400	-3 862	1 155	- 139					4
172 42887.8411 -7.414312E-08 0.000 0	171	42443.3823	1.366322E-08	ŏ:ŏŏŏ	0.000	7 000					
173 42873 5275 1.8812005 00 0 000 0 0000 0 0000 175 43165 3691 -5 6781465 09 0 000 0 000 0 000 0 000 0 000 0 000 0 0	172	42587.8411	-7.414312E-09	ő ÖÖÖ	0.000	0 000					!
174 43048 7482 6 112838E-00 -2.635 -1.277 3.767 175 43153.3591 -5.678145E-09 0.000 0.000 0.000 178 43192.0757 -2.008817E-07 0.000 0.000 0.000 E-30 177 43280.0832 2.34541E-08 -0.525 -0.014 -0.223 178 43414.7486 1.248518E-08 0.000 0.000 0.000	173	42873 5275	1.691200E-09	Ď.ĎÕÕ	0.000	0.000					
175 43153.3591 -5.678145E-09 0.000 0	174	43049 7492	6 112838E+00	-2.636	-1.575	3 961					1
178 43192 0757 -2 008817E-07 0 000 0 000 0 000 E-30 177 43280 0832 2 348541E-00 -0.526 -0.014 -0.223 178 43414 7486 1 248618E-08 0 000 0 000 0 000	175	43153.3691	-5 .678145E-09	ō;ōōō	ά∶δάά	ŏ óŏo				i	1
177 43280 0832 2.3485418+00 -0.526 -0.014 -0.223 178 43414 7486 1.246518E-08 0.000 0.000	176	43192.0757	-2.006817E-07	0,000	Ŏ.ŎŎŎ	0.000	E-30				i
178 43414.7486 1.246518E-08 0.000 0.000 0.000	177	43280 OR32	2.348541E+00	-0.526	-0.014	-0.223				ĺ	1
	178	43414.7486	1.248518E-08	0.000	0.000	0,000					1

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IMPDO3-LOAD YAB; 2		DISKE: [KPO	JOL)			16-DEC-88 16:1
179 43650 8398 180 43683 0004 181 43822 3742	4.208772E-06 -1.939926E+00	0.000 -0.570	0.000	0.000 1.640		
179 43650 8398 180 43683 0604 181 43822 3742 182 43928 6836 183 44081 3161 184 4436 8364	4 . 67K (BEE - OA	0.000 -0.570 0.000 0.000 -0.417	0.448 0.000 -0.355 0.000 -0.172 0.000 -0.572 0.000 -2.242 0.177	0.000 1.840 0.000 -0.288 0.000 -0.128 0.000 0.377		
184 4436 1 0394 185 44426 5359	-2.65.8601E-04 -5.305704E-01 -1.702750E-04	8:382	-0.193 -0.193	-0.288 0.000 -0.128		
107 44302 1003	-1 9254125+00 -1 9254125+00 3 2125725+00	0.000 1.041 -2.172	0,000 -0,306 -0,572			
190 44839.2645 191 44972.1034	2 795738 -06 4 939080 +00 -2 2472996+00	1,041 -2,172 0,000 2,208 1,922 0,000	0.000 -2.242 0.177	0.000 5.775 -0.116		
192 45005 5440 ad Case (34) Los	-2.247299E+00 -1.400898E-05 d Modal Participa		0.000	0.000		
lode	Participation	/ Physical Global X Direction X 1.0E+02	Load in Each Global Y Direction	Mode/ Global Z Direction		
mber Frequency		X 1.0E+02				
193 45079 014 194 45137 9279 196 45249 5767 196 45373 0696 197 45420 3768	3 344084E+00 8 810188E-06 1 253889E-05 2 92094E+00 -1 839961E-05 -1 468706E+00 -3 925243E-06 2 420978E-01 -3 925243E-06 1 362996E+00 -2 520483E-04 -5 841648E+00 -8 388896E+01 -3 060269E+00 -7 922815E-06 2 162506E-04 -7 922815E-06 2 162506E-04 -7 922815E-06 -7 922815E-06 -7 922815E-06 -7 922815E-06 -7 92385E-06 -7 923815E-06 -7 92385E-06	-3.463 0.000 0.000 -1.709 0.000 -0.527 0.274 0.000 0.074	2 148 0 000 0 000	-0.421 0.000 0.000		
194 45137 9279 196 45249 5767 196 45373 0696 197 45420 3768 198 45431 7138 199 45683 7234 200 45703 0805	2.920944E+00 -1.639061E-05 -1.468706E+00	-1.709 0.000 -0.527	0 564 0 000 -0 897	1 941 0 000 0 367 -0 741 0 000		
194 45137 9279 196 45249 5757 196 45373 0696 197 45420 3768 197 45491 7138 199 4583 7934 200 45703 0905 201 45926 4220 202 45890 8498 203 46012 0464 46113 4228	-3 925243E-06	0.274 0.000	-0.537 0.000	-0.74 0.000		
202 45990 6498 203 46012 0464	2 9936 17E+00 -1 556 166E-04	0.074 -0.314 0.000 0.815	0.038 0.442 0.000 -0.468 0.000	0.011		
202 45990 8498 203 48012 0484 204 48113 4228 206 48236 2532 206 46320 8098 207 46386 3678	1.362895E+00 -2.520483E-04 -E.841648E+00	0.816 0.000 1.810	-0.468 0.000 -4.185	-0.328 0.000 -1.074	•	
207 45365 3678 208 46449 0939	-8.386885E-05 -1.916886E+01	0 000 1 810 0 000 -1 506 1 117	0.000 -5.816 0.430	0.000 2.574		
209 46545 3896 210 46585 4825 211 46895 9479	3 000208E-VV -7 2251895-05 -7 922615E-05	1 117 9 000 0 000	- 6.888 6.888	2 .574 2 .120 0 .000 0 .668	· · · · · · · · · · · · · · · · · · ·	
212 46830.2985 213 46863.9310 214 47124.4595	2 162606E -04 5 823097E -01	0 000 0 004 0 000	0 000 -0 202 0 000	Ö.ÖÖÖ -0.206 0.000		
214 47124 4595 215 47246 5260 216 47477 4131 217 47616 2502	3:611809E+00 1:157831E+00	-2.463 0.228		-0.274 -0.356		
- 218 - 47597 1265	-2.007081E-06 3.970461E+00: -4.024884E-06	0.000 -1.003 0.000	- 0.000 0.300 8.606	0.000 -0.397 0.000		
224 47000 6702	4 851427E+00 -1 203859E-01	-1 176	-0 157 -0 039 -0 157 -0 226 0 000	-0.482 -0.006		
222 48126 4540 223 48156 3311 224 48382 6607 225 48412 7807 226 48627 4962 227 48653 9824	-1:330101E+00 2:195081E+00	0 000 -0 532 -0 735 0 000 -0 072 -0 077	-0.157 -0.226	÷0.256		
225 48412.7807 226 48627.4962 227 48653.9824	-2.175067E-U4 -6.432428E+00 1891344E+00	-0.000 -0.072 -0.077	0.000 0.301 1.466	0.000 0.403 0.392		
					<u> </u>	
	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			
1MP003-LOAD . TAB; 2		DISK6: [KP0	0.000			16-DEC-88 16 1
228 48828 4441 228 48972 2100 230 49072 5236 231 49338 1777 232 49385 8370	9 560220E-05 -4 837772E+00 2 716437E-05	0.000 -1.108 0.000	3 124	0.000 1.000 0.000		
231 49338 1777 232 49385 8370 233 49442 9488	-7 E107895-08	0 000 0 000 0 088	-1.585 0.000 0.000	1 866 -0 866 -2 666 -0 666 -0 666	· 	
234 49510 3251	2 3010125-04	X 735	0.006 0.768 0.000	-0.214		
235 48778 4751 236 49796 5998 237 49946 7558 238 63479 6542 239 65861 8086 240 65905 2180	2 391012E-04 -1 012270E-01 2 047303E-03	2 738 0 000 3 328 0 000 -4 150	0 768 0 000 -1 951 0 000 3 911 -0 001	-2 719 6 000 -5 383 0 000 3 426 6 001		
235 48778 4751 236 49796 5998 237 49946 7558 238 63479 6542 239 65861 8086 240 65905 2180	3.3572152TV: -9.868241E-02 d Modal Participe	-0.013	-0:001		·	•
Mode mber Frequency	1 0 2778 07 2 047902 03 3 3672152+01 -9.8582415-02 d Modal Participa Participation Factor	Globel X Direction	Load in Each Globel Y Direction X 1.05+02	Global Z Direction X 1.05+02		
	3.1902215+01	0 811 0 001 -2 632	6 772 -0 003			
241 67508 5292 242 67666 8736 243 68783 0975 244 69763 8709 245 69769 9985	3 198221 +01 -1 008364 -02 -1 008364 +01 -7 63746 -01 2 639825 +01	-2 632 0.065 -0.032	-0.128	7.069 0.000 -0.223 0.015		
		40.521	-1.567 3.016	-0.168 -10.655		
Sum of Model P Resultant of A Unscaled A	pplied Load	40 521 44 080 4 40802£-01	-1.02203E-02	-17.828 -1.78248É-01		
10.0					· · · · · · · · · · · · · · · · · · ·	
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			-			
						-

IMPD1	-LOAD TAB; 2		DISKE: KP	50L)			
	MODAL TRUM	CATION VECTORS -	LOAD PARTICIPA	TON FACTORS			16-DEC-88 18:11
oad Car	se (27) Load	Model Participal	den Ennème		· · · · · · · · · · · · · · · · · · ·		
		/	Global X	Load in Each Mc	Globel 7		
Mode Number	Frequency	Participation Factor	Direction X 1.0E+02	Direction X 1.06+02	Direction X 1.0E+02		
1	2108.7961		1 804	0.291			
3	2108 7961 2108 7961 4206 7368 4206 7368 4206 7365 6703 5061 7745 5701	1 808012E+00 -2 840218E+00 -4 967863E+00 1 916684E+00 -4 83723E+00 3 468406E+00	-13.5 6 0	-2.553 38.121	-12.898	· · · · · · · · · · · · · · · · · · ·	
4	4206 7368	1.916684E+00	13.812 0.087	38.121 2.628	-2.976 0.433		
- 6	6703 . 606	-4: \$37233E+88	-0.087 -0.436	2.628 -0.291	-1.480	<u> </u>	
7 8		3.468405E+00 -5.314948E-01	-0,439 3,347 -0,033	-0.652 -5.476 -0.775	-1 480 -17 400		***************************************
- 18	9115 8478 9115 8478 9277 8146	4-135280E+00	<u>-7.812</u>	-0 775 -14 868	1.587 2.780		
11	9277 8146	-5.314948E-01 4.135280E-00 -7.239360E-01 -9.864907E-01	0.226	-14 868 0.069	1,587 2,780 0,228 -0,568 -0,303 -0,087		
12 13	9277 8146 10498 2463 10498 2463	-6.754504E+00 -1.498975E+00 -5.691017E-01	-2.946 -4.616	-4.179	-0.568 -0.303 	•	
12	10498 2463	-5.691017E-01	-0.264 0.596	-0: 27 1	-0.087 8.873		
16 17	11646 3506	1 758780E-00	1 142	0 272 1 079	-0.888 0.803 0.603		
18	1846.3606 1846.3606 13167.1228 13167.1228	3 301517E-01 -4 817824E+00 1 572674E+00	-0.014	-0.107	0.603		
19 20	13714 8429	1.572674E+00	2.064 -0.339 -1.508	-1.414 -0.659 0.716	16.233 -0.893		
- 21	13965 9388	3.980499E+00 2.176476E+00	0.3459	ስ ሰብቭ	-3.121 -1.141		
20 21 22 23 24	13714 6429 13714 6429 13966 9388 13966 9388 15803 7063	-8.701883E+00 -1.732063E-01	-0.090	0.264 -0.042 -0.016	-4.249		
24 25		6.295928E-01 5.799579E+00 5.856712E+00 4.438781E+00 -1.793986E+00 -9.865203E-01	0 042 0 163 -1 008 -3 561 9 542 -1 990	-0.016	0.044 0.386 -4.954		
25 26 27	17348 7043 17348 7043 17723 4712 17723 4712	5.8567 2E+00	-3.951	2.326 0.869	6.616		
28	17723 4712	4.438781E+00 -1.793985E+00	9.542 -1.990	0.559 -8.084 -1.184	6.442		
28 29 30		-9.865203E-01	-9 <u>417</u>	0.031	6.442 1.485 0.560	<u>. </u>	
31	17944 1365 18360 8346	5.057419E+00	-0 417 0 048 -1 406 -0 842 9 324	0.442 0.301 0.447	-0 247 -1 506 -1 257		
32 33	18360 8346 18688 0196 18688 0196	-1.889018E+00	-0.842 0.324	0.447	-1.257 -2.492	•	
34 35 36 37 38 40	18688 0196 19046 4985	-1 162016E+00 5 057419E+00 5 118915E+00 -1 889018E+00 -1 723511E+00 -3 593433E+00		-6 (17	1 284		
36 37		3.841764E+00 -8.971988E-01 -1.915176E+00	5 943 -6 274 0 818 -2 531 -0 163 2 485	-5, 299 -3, 544 -0, 790 2, 324 0, 177	-7.559 3.196 0.544		
34	18011 8222	-1.915176E+00	0.818 2.531	-9.799	9.544		
	19947.6711 19947.6711	2.883386E-01 -2.430632E+00 -7.847290E-01	-0.153	ğ: <u>157</u>	2.027 0.027 1.378		
41 -	20413 0254	- 1 100 de 102 - XX	-0.012	0 850 0 103	0.336	•	
43 44	20413 9234 20413 9234 20804 2238 20804 2238 21137 2761	-2.168244E+00	1.886 -0.262 0.080	0.742	-2 223		
45	21137.2761	-2 168244E+00 -6 176314E+00 -2 438829E+00 -1 276486E+88	0.080 0.001	0.026	-ō. <u>7\$7</u>		
45	21137.2781	-1.276485E+00	-0.821	-0.041 -0.378	-0.67 -0.694		

	-LOAD.TAB;2		D15K6: [KP00					16-DEC-88 16:11
47 48 ad Car	21403.3027 21403.3027 90 (27) Load	6.013718E+00 6.286093E+00	1 . 272	1.683	-1. E35 -0.915			10-020-88 15:11
MELI LARI	27) LOSQ	Model Participation Participation	ion Factors	Load in Each M	nda/			
Mode_	E	Participation	Globel X Direction	Globel Y Direction	Global 2 Direction X 1.0E+02			
	Frequency	Factor			X 1.0E+02			
49 50 51	22128 6713 22128 6713 22657 8837	1.489506E+00 1.940821E+00	1.394 0.873	-0.553	-1.422 0.858			
52 53	22657 8837	2.766103E+00 -6.637933E-01	-1.468 -0.108	-0 107	0.176			
R4	22906 9970	3.312486E+00 -9.28566E-01	-8 283 -8 283	-0.336	-0.039 -1.491 -0.570			
56 56 57	23 55 803	1.2246665+00	3.308 -0.384	-0.336 -0.336 -0.864 -0.891 0.102	-4.315 -0.892			
<u> 54</u>	- 23,70 5922	2.768470E+00 -4.313717E+00	-0.633 0.666	0.102 -2.049	4.639			
60 61		3.312486 +00 -9.79555 -01 -4.775676 +00 1.224608 +00 2.785470 +00 -4.317777 +00 -1.78568 +00 -3.213461 +00 -5.566191 +00 -1.546813 +00 -1.546813 +00 -1.546813 +00 -1.546813 +00 -1.546813 +00 -1.546813 +00 -1.546813 +00 -1.546813 +00 -1.546813 +00 -1.546813 +00 -1.546813 +00 -1.546813 +00 -1.546813 +00 -1.546813 +00 -1.546813 +00	1.394 0.873 -0.108 -0.108 -0.3283 -0.384 -0.633 -0.633 -0.764 -1.120 -2.258 -0.24	-0.565 -1.105 -1.121 -0.653 -0.012 -0.012	-0.556 -1.104			·····
62	24697 6469	-1.8348835+00	2.258 -0.024	1 121	0.447 -0.848			
63 64 65 67 68 69 70	24911 9606 24911 9606 26914 3613 26014 3613 26229 1127 26229 1127 26329 5374 26339 5374	7:44:376:-02	0.154	-0.638 0.012 0.011 0.838	-0.553			
<u>_86</u> _	20014 3813	3.254140E+00	-0.023 0.365	0.011	0.041			
68	26228 1127 26229 1127 26329 5374 26329 5374 26339 5374 26737 2662 26737 2662 27736 6366 27736 6366 27736 6366 27736 6366 27736 6366 27736 6366 27736 6366 27736 6366 27736 6366 27736 6366 27736 6366 27736 6366 27736 6366 27736 6366 27736 6366 27736 6366 27736 6366 27736 7667	376044E+00	-0.082 0.179	-0.008 -0.239 1.217 0.579	0.028 -0.619		· · · · · · · · · · · · · · · · · · ·	
70	2530 5374	-6.036010E+00	2.008 -0.707	1.217	-2.207 -0.491			
72 73 74	26737 2662	-2.525405+00 -6.0567265+00 8.5348285-02	-3.328 -0.091 0.004	0.669 7.974 -0.015 -0.008	-2.207 -0.491 -0.338 -1.223 -0.049 -0.006			
-2 3	27154 7875 27154 7875	8.534828E-02 -1.163687E+00	0.004 -0.087	-0.015 -0.008	0.049			
76 76 77 78 79 80 81	26737 9652 277154 7875 277154 7875 27736 6385 20017 9651 20017 9651 20237 2656 22237 2656 22237 2656 22237 2656 22237 2656 2657 2657	1.398774E+00 2.444795E+00 3.832211E+00	-0,80s 0,127 5,190 0,258	0.276 1.431 2.776 -0.312	0.212			
<u> - 28</u>	28017 9851 28017 9851	3.832211E+00 -2.187014E-01	5. 190 0. 296	2.776	0.214 0.209 0.944 -0.032			
90	28237 2866	-7.103498E-01 7.586980E-02	1.257 0.027 0.484 -0.188	-0.825 0.106 0.246	-0.188			
- 12_	28828 7067 28828 7067	1.1754496+00 5.3258296-01	0,464 -0,188	Ö. 245	-0.188 0.006 -0.288 0.184			
82 83 84 85	29132.8701	1.241348E+00 -4.800315E-01	-0.244 0.198	0.443	0 175 0 087			
-16-	29427 .9851 29427 .9851 29761 .8522	8.087233E-01	0.484 0.047	0.443 0.639 -0.298	0.173 0.067 -0.468 -0.412	•		
87 88	29761 8522 29761 8522	9.138380E-01 3.787412E+00	-0.237	0.765	0.136	 		
88 80 80	20004 8330	1 24 140 -00 1 27 344 -00 1 37 6044 -00 -5 026 0 10 -00 -2 125 40 -00 8 5348 28 -02 -1 156 774 +00 2 444 785 +00 3 832 11 +00 -7 1870 14 -01 -7 1870 14 -01 -7 1870 14 -01 -7 1870 15 -01 -7 1870 16 -01	-0 134 -0 244 0 196 0 464 0 067 -0 377 -0 040 -1 000 -0 522 -0 069 -2 256 -0 522 -0 069 -2 256	0 765 0 663 -0 107	0.156 1.743 -0.266 -0.163			
97 92 93	30107 3079 30107 3079	\$39360 +00 295 322 +00 9848422 +00 34 295 +00 6940362 -01	-1.060 -0.633	-0 (47)	-8.279	-		
93	30107 3079 30492 9954 30492 9954	1.994842E+00	-0: 96 9	1.106 0.329 0.882	-0.217 -0.061 0.534	E-32		
96	30861.7471	1.894036E-01	0.088	-0;882 -0;699	- 8.883			

THPD1-	LOAD . YAB; 2		DISK6: (KPOO	L)		16-DEC-88 18:11 P
96 ad Cas	30881,7471	2.331294E-01 Model Participat	0.066	0.171	0,087	
	·	/-	Globel X Direction X 1.06+02	Load in Each I	Qlobel Z	
Mode mber	Frequency	Participation Factor	Direction X 1.0E+02	D1Pection X 1.0E+02	Globel Z Direction X 1.08+02	·
97	31099.4621	2 211767E+00 -7: 879206E-02 -1: 8527111+00 -7: 879204E-02 -7: 974134E+00 -7: 97414-02 -1: 797787E-00 -2: 240408E+00 -1: 72878E-01 -2: 521247E-01 -2: 521247E-01 -3: 194690E+01 -1: 5: 50165E-01	-0. 63 0	0.078 0.019	-0.114	
98 99 100	31099 4621 31271 7721 31271 772	5527116+00	-0.630 -0.024 -0.039	A 486	0.025 0.125	
101	31825 2777 31825 2780	7332146-02		0 68 0 008 -0 830 -0 978	0 126 0 006 -0 824 -0 140	
183	31971 4463	2.240406 +00	0 233 0 057 0 257 0 255 1 355 1 367 2 134 0 715	-0.078	-0.180	
105	43040 5569 43040 6765 44806 0073	-2 098953E+01	-0.835	0 424 2 663 5 809 0 503 -1 084	0.201 1.705 4.646	
187	44806 0073 44806 1258	2 082765E+01	1.067	0.503	-0.487 -0.461 -0.736 -0.044	<u>`</u>
109	45788 6728 45788 7998	1,500165E+01 -1,519146E+01	-0.284 0.715	-1.554 0.241	-0.736 -0.044	
-113-	47748 8967 47749 2386	5 331180E+00 -2 053804E+01	0.838 5.578	-1.423	-0.185 -0.584	
		nysical Loads				
Re:	<u>sultant of Ar</u>	plied Load	22.214 29.795 2.97947E-01	23.690 27.788 2.77876E-01	-11.326 -16.458 -1.64585E-01	
ad Ca	se (28) Load	. Madel Desticine	tion Fertone			
Hode		- Bentining tion	Global X	Global Y	Richal Z	
MDG!	Frequency	Participation Factor	Direction X 1.0E+02	Direction X 1.0E+02	Direction X 1.0E+02	
	2108 7961 2108 7961	1 936923E-01 -3 534346E+00	0 155 8 285	0 030 -3 430 26 152 5 564 -0 360	-14.509	
Ž	4206 7368 4206 7368		0.285 -9.302 28.184	26 152 5 554	-14.509 -2.042 0.915	
<u> </u>	4206 7368 4206 7368 4206 7368 6703 5061 7745 5701 7745 5701	4 049647E+00 -1 603691E+00 4 821638E+00 2 365981E+00 -2 742348E+00 5 736262E+00	8 191	6.554 -0.360 -0.660 -3.736 -4.001	-2.21	
Ž	7745 5701 7745 5701	2.365981E+00 -2.742348E+00	2.283 -0.169	-3.736 -4.001	-11,869 2,191	
- 18 -	- 3112 42/A	5 7392525+00	-10 550 4 341	-20.524 4.728	-0.586 -0.586 0.180	
11	0277 0146	3 397582E+00 4 023197E+00	-0.985 1.785	-0.203 2.489	1.966 0.180	,
- 12	9277 8146 10498 2463 10498 2463 11846 3505 11846 3505 13167 1228	1 7677245+00 3 3975625+00 4 0221975+00 -1 2812175+00 5 6504165-01 4 3764545-01 5 8823000-01 -2 8887325+00 -3 7273095+00 -4 4565915+00 -8 3437915+00	-9, 304 29, 194 0, 108 0, 438 -0, 169 -10, 1659 -10, 1659 -1, 765 -1, 1765 -2, 1765 0, 282 0, 382 0, 382	-0.203 2,489 -1.210 0.270	-8 8/3	
15 16 17	11846 3505 11846 3505	4 376454E-01 5 883000E-01	0.360 0.382	0.159 0.361 0.878	-0.345 0.269 -4.930	
47	13 67 1228 13 67 1228	-2 6987328+00 -3 936661E+00	1.678	-1:155 -1:155	-4.830 13.281 2.117	
-14	12714 6420	-3 727309E+00 -4 486591E+00	1.678 0.804 1.692 -0.237	-1 155 1 563 -0 804 -0 014 0 253	2.117 5.502 6.753	
18	13000 5300	-1 430036E+00	-8.687	-0.014 8.253	-2.352	
18 19 20 21	308 338					
18	13714 6429 13965 9388 13985 9388	-6:5437876700		<u> </u>		
18 19 20 21	13566 : 5388	-0.0437072400				

1990 1 - LO	AD. TAB; 2		DYSKS: [KPOD	-1				16-	DEC-88 16 11
23 1	5803 7063 5803 7053	3.300083E-01 2.369341E+00 -2.462564E+00	-0.080 0.610	0.080 -0.060	-0.084 1.447				
23 1 24 1 25 1 26 1	5803 7053 7348 7043 7348 7043	-2.482584E+00 -1.01868E+01	0.428 6.872	-0.987 -0.972	2.104 -1.061				-
27 1	7723 4712	-1.019845E+01 2.806348E-01 -9.028084E-02	0.428 6.872 0.603 -0.100	-0.987 -0.972 -0.511 -0.059	2.104 -1.061 0.407 0.075				
29 30 31	7944 1355 7944 1355	3 148920E+00 4 062670E-01	-0.017 -0.282	. 0 101	-1.791 0.086 -0.302	-			
31 1	8360 8346 8360 8346	3 146920 -00 4 062670 -01 1 0154365 -00 5 8963165 -00	-8. 38 3	-0.155 0.060 0.515	-0.302 -1.447				
33 34 36 37	8688.0196 8688.0196	-1.878898E+00 -1.150994E+00	0:322 0:496	0.076	-2.476 -1.067 -2.374 -1.894				• •
35	9046 4986	-1.128587E+00 -2.159136E+00		-1.863 -1.863 -1.214	-1.894	· · · · · · · · · · · · · · · · · · ·	 		
38 1 39 1	9611.8222	-2.914639E+00	3.851	3.536	3.086 -0.183		•		
41	7348 7043 7348 7043 77348 7043 7723 4712 7724 4715 7944 1355 7944 1355 7944 1355 8388 0196 8588 0196 8588 0196 8588 0196 9046 4985 9046 4985 9041 8222 9947 5711 0413 9234 00413 9234 00413 9234 00413 9234 1137 2761 21137 2761	5 8082168 + 80 -1 176884 + 80 -1 158984 + 80 -1 12887 + 80 -2 16738 + 80 -2 16738 + 80 -1 18738 + 80 -1 18738 + 80 -1 18738 + 80 -4 463808 + 80 -4 684788 - 90 -2 728888 + 80 -2 728888 + 80 -2 728888 + 90 -5 82428 + 90 -7 844788 - 90 -7 84478 - 90 -7 84478 - 90 -7 84478 - 90 -7 84478 - 90 -7 84478 - 90 -7 84478 - 90 -7 84478 - 90 -7 84478 - 9	-0.970 0.484 1.886 3.720 3.851 1.062 1.062 1.060 0.007	0 414 0 604 0 421 -0 006 -0 033	3 046 -0 183 -0 183 -0 183 -0 248 -1 248 -0 004				
42 2	04 13 9234 20804 2238	-4 0608105+00 5 8647865-02	1 000 0 007	0.421 -0.006	-1.249 -0.004				
45	20804 2238 21137 2781	-2.357330E+00	-0.106 6.001	0.040	-1:832	- 			
46 47	21137 . 2761 21403 . 3027 21403 . 3027	-2 7898585+00 -5 8824295+00	0.001 -1.795 -1.204 -0.352	-0.827 -1.674	- 1.032 - 1.254 1.463 0.114				
d Case	(28) Load	Hodal Participat	ion Factors		U.114				
			Thursday 1	Land in Each Me	/				
		7-	Globel X	Load in Each Mc 21obel Y Direction	Global Z			·	
nde Der	Frequency	Participation Factor	Globel X Direction X 1.0E+02	Load in Each Mc 91obal Y Direction X 1.0E+02					
nde Der		Participation Factor 6.01400E+00	Globel X Direction X 1.0E+02		-5.743 8.557				
nde Der		Participation Factor 6.01400E+00	Physical Global X Direction X 1.06+02 5.650 0.669		-5.743 -0.213				
nde Der		7-Participation Factor 6.014008E+00 1.264360E+00 -3.368647E+00 -4.420462E-02 3.68847E+00 -1.68846E+00	Physical Global X Direction X 1.0E+02 5.630 0.589 -0.009 3.495	2.223 6.227 0.016 -0.367	-5.743 -0.213				
nde Der		7-Participation Factor 6.014008+00 1.2843805+00 -3.3888475+00 -4.4204525-02 3.8282285+00 -1.593695+00	Physical Global X Direction X 1.0E+02 5.630 0.589 -0.009 3.495	2.223 6.227 0.016 -0.367	-5.743 -0.213				
nde Der		7-Participation Factor 6.014008+00 1.2843805+00 -3.3888475+00 -4.4204525-02 3.8282285+00 -1.593695+00	Physical Global X Direction X 1.0E+02 5.630 0.589 -0.009 3.495	-2.233 0.843 0.227 0.016 -0.367 1.267 0.602 -4.041 -0.026	-5.743 -0.567 -0.502 -0.603 -1.567 -0.829 -3.140 -1.222				
nde Der		7-Participation Factor 6.014008+00 1.2843805+00 -3.3888475+00 -4.4204525-02 3.8282285+00 -1.593695+00	Physical Global X Direction X 1.0E+02 5.630 0.589 -0.009 3.495	-2.233 0.843 0.227 0.016 -0.367 1.267 0.602 -4.041 -0.026	-5.743 -0.567 -0.502 -0.603 -1.567 -0.829 -3.140 -1.222				
60 60 60 61 62 63 65 65 66 66 60 61	22128 6713 22128 6713 22667 8837 22667 8837 22866 9870 22866 9870 22155 8038 23155 8038 23670 6022 24230 3522 24230 3522 24430 3522	7-Participation Factor 6.014008E+00 1.264360E+00 -3.368847E+00 -4.420465E-02 3.628328E+00 -1.62646E+00 2.649077E+00 -7.514621E-01 2.77253E-00 4.00242E+00 2.89073E+00		-2 : 233 0 : 443 0 : 227 0 : 016 -0 : 357 -1 : 023 -1 : 024 -1 : 026	-5.743 -0.957 -0.212 -0.003 -1.873 -2.884 -3.140 -1.222 -2.22 -1.007 -0.165 -0.165				
60 60 60 61 62 63 65 65 66 66 60 61	22128 6713 22128 6713 22667 8837 22667 8837 22866 9870 22866 9870 22155 8038 23155 8038 23670 6022 24230 3522 24230 3522 24430 3522	7-Participation Factor 6.014008E+00 1.264360E+00 -3.368847E+00 -4.420465E-02 3.628328E+00 -1.62646E+00 2.649077E+00 -7.514621E-01 2.77253E-00 4.00242E+00 2.89073E+00	Bicos X Direct len X Direct len X Direct len X Direct len X Direct len Dir	-2 : 233 0 : 443 0 : 227 0 : 016 -0 : 357 -1 : 023 -1 : 024 -1 : 026	-5.743 -0.957 -0.212 -0.003 -1.873 -2.884 -3.140 -1.222 -2.22 -1.007 -0.165 -0.165				
60 60 60 61 62 63 65 65 66 66 60 61	22128 6713 22128 6713 22667 8837 22667 8837 22866 9870 22866 9870 22155 8038 23155 8038 23670 6022 24230 3522 24230 3522 24430 3522	7-Participation Factor 6.014008E+00 1.264360E+00 -3.368847E+00 -4.420465E-02 3.628328E+00 -1.62646E+00 2.649077E+00 -7.514621E-01 2.77253E-00 4.00242E+00 2.89073E+00	Block 1 X Direction X 1.06+02 5.630 0.560 1.762 -0.006 3.465 -0.412 -1.744 0.172 -0.266 -1.748 -1.748 -1.748 -1.022 -0.750 0.014 0.111 0.892 0.686	-2.223 0.813 0.227 0.016 -0.026 -0.026 -1.200 -	-5.743 -0.957 -0.212 -0.003 -1.873 -2.884 -3.140 -1.222 -2.22 -1.007 -0.165 -0.165				
60 60 60 60 60 61		7-Participation Factor 6.014008+00 1.2843805+00 -3.3888475+00 -4.4204525-02 3.8282285+00 -1.593695+00	Block 1 X Direction X 1.06+02 5.630 0.560 1.762 -0.009 3.486 -0.412 -1.525 -1.748 -1.722 -0.266 -1.748 -1.022 -0.760 0.014 0.111 0.882 0.588	-2.233 0.843 0.227 0.016 -0.327 -0.527 -0.028 -1.008 -	-5.743 0.557 -0.212 -0.003 -1.527 -0.529 -2.340 -1.222 -1.212 -1.007 -0.465	E-33			

PMP01-LOAD. TAB; 2	DYSKE	KPOOL]		16-DEC-88
72 28727 9862 -6 27782 73 27154 7876 -1 08929 74 27154 7876 -3 08929 75 27736 6385 1 40339 76 27736 6385 2 06706 77 28017 9851 -1 01246 78 28017 9851 -1 01246	3E-01 -0.00g	0.829 0.189	-0.128	
74 27164 7876 3 05072 76 27736 6385 1 40339	23E-01 -0.009 15E+00 -0.053 18E+00 -0.231 16E+00 -0.811	0.189 0.022 0.280	-8:87 9	
76 27736 6345 1 40339 76 27736 6345 2 05705 77 28017 885 1 10617 78 28017 885 1 10617 79 28227 2556 1 28284 80 28227 2556 4 5848 81 2828 257 1	5E+00 -0.811 5E+00 0.108	1 004	0.214	
77 28017 9851 -1 01235	71 - 00 - 1 371 11 - 00 - 1 592 35 - 00 - 2 271 11 - 00 1 6 10	-0 733 -0 880	0.176 -0.249	
79 28237 2556 1 28294	3E+00 -2 271	1.680 0.945	0.170 0.300	
79 28237 2556 1 26294 80 28237 2556 4 52644 81 28528 7957 1 13673	1E+00 1 610 BE+00 0 449	0.946 6.292 0.237	0.349	
82 28828 7667 - 188767	'8E+00 0.86E	-0.885	-0.200 -0.588	
83 29132 8701 4 16393 84 29132 8701 -1 34236	176-01 -0.082 156+00 0.549	0 148 0 110	-0.530 0.058 0.160	
82 2822 767 - 8707 83 29132 8701 - 1 8292 84 29132 8701 - 1 34236 85 29427 9851 - 2 80755 86 29427 8851 - 2 80852 87 29761 8522 2 38832	9E+00 -1 465	Ŏ AP A	1.478	
87 29761.8522 2.38832	7F-01 -0 000	-0.460 0.197	0.286 0.036	
	3E+00 1.804 1E+00 0.119	-0.652 0.321 -0.745	-1.317 0.890	
80 29994 8330 1 26261 90 29994 8338 -3 781966 91 30107 3079 1 23360	6E+00 2 262 9E-01 -0.085	-8:745	-0.134 -0.017	
92 30107 3079 -E E12726	9E-01 -0.085 9E-01 0.224	-0.013	-0.017 0.036	
94 30492.9964 2.0404R	2F+00 3 488	0.262	C.412	·
95 30861,7471 -4 919926 96 30861,7471 1.298958	2E+00 3.568 6E+00 -2.563 6E+00 0.312	-1.341 2.869 0.965	0.538 -0.108	
id Case (28) Load Model Par	rticipation Factors		0.484	
	Global Y	cal Load in Each	Node	
lode Participa	ation Direction	Direction X 1.0E+02	Globel 2 Direction X 1.06+02	
			X 1.06+02	
97 31099.4621 -2.571062 98 31099.4621 6.966701	2E+00 0.733 1E-01 0.208 8E+00 -0.123	-0.090 -0.170	0.132	
100 31271 7721 4 83644	9E+98 -8 123 7E+88 -8 222	-0 E19	-0.219 -0.568 -0.280	
. 101 31825.2777 7 947970	DF-01 _^ 338	-0.333 0.366 -1.677	-0.250 0.228	
103 31971.44R3 -4.027419	DE+00 0.471 3E+00 -0.106	-1.677 9.140	0 228 -1 068 0 324	
104 3197 4474 -9 832901 105 43040 5569 -1 476163	3Ē+00 -0 106 1Ē-01 0 162	0 241	0 116	
108 43040 6366 0 040046	BE+00 0 AAR	1.833 1.916	1 201 1 533 -0 559	
108 44806.1258 1.009270	DF+01 7 R94	-0.545 -0.343	o. 650	
109 45788 6728 -1 238107	7E+01 0 224	1.282 -0.616	-0.145 0.607	
111 4774X 2987 2 ROBAAC	DE+OD: 1.367	-0.615 -2.321	0.112 -0.270	
112 47749.2386 2.806403	3E+01 -7.622	-4.56	8:817	
Sum of Model Physical Los Resultant of Applied Los	ads 39,918	8.455	-16.030	
Unscaled Applied on	3.97272E-01	9.31337E-02	-16.616 -1.66160£-01	
d Case (29) Load Model Par	*ticipation Factors	cal Load in Each		
ode Participa			B16be1 Z	
- Fai Lie ipa	ition Birection	Direction	Direction	

	-LOAD . TAB; 2		DISK6: [KPO	(OL)		18-DEC-88 16:11
umber	Frequency	Factor	X 1.0E+02	X 1.0E+02	X 1.0E+02	
1 2	2108.7981 2108.7981 4206.7368	1.137673E+00 -3.632904E+00 -4.777880E+00	0.909 0.293 -13.068	0.174	7.889	
3		-4.777880E+00	- 13 .068 23 .866	-3.525 36.739	-14.914 -2.868 0.748	
5	6703 5061 6703 5061 7745 5701 7745 8701	-5.542994E+00		4 R41	-6.761	
7	6703.5061 7745.\$701	-5.842984E+00 -4.163686E-01 3.015098E+00 -1.997558E+00	-ŏ∶ ō38 2 90 8	-1 328 -0 056 -4 760	0 944	
	7745 8701 9115 8478	-1-997555E+00	0.398 -0.038 2.906 -0.123 -10.630 -0.510	2 914	-15.126	
10		5 942883E-00 -2 076137E-01 -5 561361E-00 -1 246078E-00	-10. 939 -0.610	-2 914 -21.366 -0.440 0.333	3.994 0.006	
11	9277 . 8146 9277 . 8146	-6.501361E+00 2.372682E+00	1 621	0.333	-3.219 0.108	
13	10498 . 2463	-1.240078E+00 -7.880291E-01	-3.212		-0.072	
15	11846 3605	1.011661E+00	0.200	-0.376 0.368	0.101	
- 15	13167.1228		8.823	8.795 8.795	0.824	
18 19	13167 1228 13714 8439	-5 5003/9/ -01 -3 320026 +00 -6 530436 +00 -71164 +00	1:420	-0.977	-1.005 11.220 3.711	
	13214 6425	724 1846 -00	•2 171	2.799 1.031	-4.491	•
22	13714 6429 13714 6429 13965 8388 13966 9388 15803 7053 15803 7053	5 441283E-01 9 136065E+00	0.096 0.096	0.008	-0.286	
23 24	13966 8388 15803 7053 15803 7053 17348 7043	-1 215075E+00	0.283 0.016	-0:293	-0.286 4.481 0.310	
20 21 22 23 24 25 26 27 28 29 30 31	1/366./463	5.441253 - 01 9.1350754-00 -1.2150754-00 -5.273124-07 -3.522094-00 -1.0819444-00 -7.4517534-01 -2.0812534-00 -9.2036734-01 -4.725556-00 -6.4473354-00	8.675	0 006 -0 277 -0 283 -0 001 -1 336 0 104 1 357	2 27	
27	17348 7043 17723 4712	1.088944E+00 -7.461753E-01	0.579 -0.735 -1.602 2.283	0.104	D 444	
	17723.4712	2 0072835+00	2 293		-1.062 -1.711 -1.732 -0.197	
ĝζ		-9.203673E-01	1.312 0.038	0.098 0.363	-1.732 -0.197	
32		-4.729636E+00 -6.447388E+00	1.315	0.363 -0.281 -0.563	1.402	
33 34 36 36 37	19688 0196 19688 0196	E . 1000015 . AA	1.071	3.741	-8.236	
36	19046,4985 -	-1.892221E+00	-2.246 2.799	-0.343 -2.496	4.807	
37	19046 4985 19811,8222	-1 -204938E-01	-0.225	-0 127	0.114	
38 39	19611 8222 19611 8222 19947 6711	-1.8171696+00	2:401	-3.848 2.206	2.651 1.923	
40	19947.6711	-1.892221E+00 1.30493E-01 -4.38996E+00 -1.817169E+00 -1.45222E-02 4.010428E+00	2 401 0 008 -4 101 0 025	-3.648 2.206 -0.009 -1.403	2.661 1.923 -0.001 -2.273	
41	19947 871 20413 8234 20413 8234 20804 2238 20804 2238	1 64 366 76 +00 5 106 14 76 +00 4 3964 176 +00 1 3666 36 +00	0.025	-0.200	~ 0. 678	
42 43	20004 2236	4 3364 7 +00	0.507 0.507 0.600	-0.206 -0.529 -0.543 -0.666	-0.303	•
-45	21 37 278	4 7244235-01	0.000	-8.80	-0.503 0.173	
45	2 137 278 2 137 278 2 137 278 2 103 2027	3 036 1976 +00 3 036 1975 +00 8 1326265 +00	2.562 0.642 3.647	1.180 0.840	0.207 1.789	
ped Case	21403.3027 21403.5027 10 (29) Load I	132026E+00	3.627	0.840 -2.440	-0.776 -1.183	
8 0 Cp3+	e (29) Load i	Model Participati	Physical	Load in Each Me		
Mode		Participation	Global X	Global Y Direction		I-34
mber	Frequency	Factor	N 1.0E+02	X 1.0E+02	X 1.0E+02	

	-LOAD . YAB (2		DYSKE: [KPC	(OL)					16-DEC-88	18:11
49 50	22128 6713 22128 6713 22057 8837 22057 8837 22056 8870 23155 8038 23155 8038 23570 5022 23570 5022	5 828490 + 00 1 047706 - 01 -2 789438 + 00 -9 490 1396 + 00 -1 980 821 + 00 -2 680 68 + 00 -4 3229 10 - 01 -1 78524 1 - 00 -1 739272 + 00 -2 284345 + 00 -3 272838 + 00 -3 272838 + 00 -3 172838 + 00 -3 172838 + 00 -4 774831 + 00 -4 774831 + 00 -2 372817 + 00	5.457 0.047 1.470 -0.183 -0.683 0.300 0.504 0.398 0.207 -2.501 1.141	-2.164 0.073	-5.506 0.528					
50 51 52 53	22667 8837 22667 8837 2266 9070	-2.789436E+00 -9.490139E-01	1 470 -0 183	0.187 0.344	-0.175 -0.068					
55	22966 9970 22966 9970 23155 8038	-2.6608762+00 -4.322910E-01	-0 658 0 300	-0.201 2.186 -0.082	-0.891 -1.562 -0.391 1.015					
54 55 56 57 58	23155.8038 23570 5022 23570 5022	-1 796241E+00 -1 739372E+00 -2 36/3/EE+00	0.564 0.398	-0.082 1.306 -0.064 -1.096 2.091	-2.251					
59 60	24230 3522	6 644904E+00 -3 272639E+00	-2:301 1:141	2.091 1.126	2.108 1.238 -1.126					
61 62 63	24697 6459 24697 6459 24911 9906	-3.726185E+00 1.013004E+00 -5.153541E+00	1 503 0 013 0 426	1 126 -0 746 -0 534 -1 764	1 238 -1 125 -1 259 -1 529 -1 529 0 194			·····		
64 65 86	24911 9906 26014 3613 26014 3613	2.956209E+00 -4.774831E+00	0.426 1.531 -1.315	0.488	-1.529 0.194 2.281					
66 67 68	7877Q 1177	1.211209E+00 2.372817E+00	0.128 -0.961 0.217 -1.071	0.615 0.304 -0.086	0.430 0.406					
- 58	26229 1127 26369 5374 26369 5374 26737 9662	2 686612E+00 -1 184811E+00	-1 671 0 576	-0.410 -0.650 -0.472	-0.629 1.178		<u> </u>			
71 72 73	26369 5374 26369 5374 26737 9662 26737 9662 27154 7876 27154 7876	3.278372E+00 -5.885761E+00 -4.059359E+00	0.576 4.323 -0.089 -0.196	-0.856 7.774	-0.436 -1.202					
73 74 76 76	26737 9662 26737 9662 27154 7876 27736 8385 27736 8385 27736 8385	3.658980E+00 4.057494E-02	0.273	0.026 0.026	-0.026 -0.026					
75	- 58X14 - 682 t	2 372517E+00 1 967346E+00 2 586612E+00 -1 184811E+00 3 278272E+00 -5 88578E+00 -4 05336E+00 4 057494E+02 -3 89708E+01 2 288729E+01 -1 892791E+00 -3 8340128E+01 -1 892791E+00 -3 8340128E+01 -1 1892791E+00 -3 8340128E+01 -1 1892791E+00 -3 8340128E+01 -1 1892791E+00 -3 8340128E+01 -1 1892791E+00 -3 8340128E+01 -1 1892791E+00 -3 8340128E+01 -1 1892791E+00 -3 8340128E+01 -1 1892791E+00 -3 8340128E+01 -1 1892791E+00 -3 8340128E+01 -1 1892791E+00 -3 8340128E+00 -3 8340128E+00 -3 8340128E+00 -3 8340128E+00 -3 8340128E+00 -3 8340128E+00 -3 8340128E+00 -3 8340128E+00	-0.023 -0.020 -3.113 -0.468	-0.228	-0.436 -1.202 -2.324 -0.008 -0.008 -0.033 -0.033					
79 80	28237 . 2556 28237 . 2556	-1.892791E+00 2.190396E+00	3.350 0.779	1.065 0.494 -1.393 -0.080 -1.119 0.709 -0.025 -0.494 3.194 0.408 -0.727 -1.285 0.333 -2.087 0.218	-0.447					
82 83	28828 7057 28828 7057 28132 8701	-3.834102E-01 2.386746E+00 1.989112E+00	-0 151 -0 844 -0 391	-0.080 1.119	8:93				· · · · · · · · · · · · · · · · · · ·	
84 85 86	29132.8701 29427.9851	-3.489985E-01 1.187332E+00	0 143	0.709 0.029 -0.435	0.277 0.042 -0.673					
87 88	29132 8701 29132 8701 29132 8701 29427 9851 29427 9851 29761 8522 29764 8222	-1.140221E+00 3.864497E+00 1.796144E+00	-0.061 -1.004 -1.129	-0.494 3.194	0.258 0.575					
90 90	20004 8330 20004 8330	-2.862017E+00 -6.522554E+00	-1 129 -0 271 3 901 2 112	-0 727 -1 285	-2.018 -0.232				·	
92	29994 8339 29994 8339 30107 3079 30107 3079 30492 9954 30492 9954 30861 7471	-3.067963E+00 -2.437390E+00 1.330627E+00	0.991	0.333 -2.097 0.219	0 168 0 098 0 734 0 277 0 042 -0 673 0 576 0 576 0 2018 -0 232 0 154 0 0 272 0 0 293					
96	30492.9954 30861.7471 30861.7471	-1.030744E+00 1.025013E+00	-0.560 -1.702 0.532 -0.188	0.678	-0 272 0 023			······································	<u> </u>	
d Cas		1.025013E+00 -7.827587E-01 Modal Participa	-0.188 tion Factors	-0.598 -0.576						
eber Tede	Frequency	Participation Factor	Global X Direction X 1 95+02	Load in Each Globel Y Direction X 1.05+02	Globel Z Direction X 1.05+02					
		PACTOR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	X 1 0E+02	X 1.0E+02					
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97 98	LOAD. TAB; 2 31099.4621 3199.4621	2 · 48504 1E+00 -5 · 522843E - 01	DISKS:[KPQ	•	-0.127 0.178				16-DEC-88	18:11
97 98 100 101	31099.4521 31099.4521 31271.7721 31271.7721	- 1 E 188 (EE ANN	•	0.086 0.137 0.159 -0.253 0.787	-0.127 0.178 -0.190 -0.190				16-DEC-88	18:11
97 98 100 101 102 103	31099 4521 31099 4521 31271 7721 31271 7721 31272 777 31825 2777 31825 2780 31971 4463	-1.518815E+00 3.088874E+00 1.708885E+00 -2.056243E+00	-0 703 -0 168 -0 038 -0 169 -0 643 -0 267	0.086 0.137 0.159 -0.253 0.787 -0.949	-0.176 -0.190 0.490 -0.599				16-DEC-88	18:11
97 98 100 101 102 103	31099 4521 31099 4521 31271 7721 31271 7721 31272 777 31825 2777 31825 2780 31971 4463	-1.518815E+00 3.088874E+00 1.708885E+00 -2.056243E+00	-0 703 -0 168 -0 038 -0 169 -0 643 -0 267	0.086 0.137 0.159 -0.253 0.787 -0.949	-0.176 -0.190 0.490 -0.599				16-DEC-88	16:11
97 98 100 101 102 103 104 106 106	31099 4521 31099 4521 31271 7721 31271 7721 31825 2777 31825 2780 31971 4463	-1.518815E+00 3.088874E+00 1.708885E+00 -2.056243E+00	-0 703 -0 168 -0 038 -0 169 -0 643 -0 267	0.086 0.137 0.159 -0.253 0.787 -0.949	-0.176 -0.190 0.490 -0.599				16-DEC-88	18:11
97 98 99 100 101 102 103 104 106 106 107 108 109 110	31099 4521 31099 4521 31271 7721 31271 7721 31825 2777 31825 2780 31971 4463	-1.518815E+00 3.088874E+00 1.708885E+00 -2.056243E+00	-0.703 -0 168 -0.038 -0.169 -0.683 -0.257 -0.098 -1.188 -1.188 -1.118 -1.118 -1.118	0.086 0.137 0.159 -0.253 0.787 -0.949	-0.176 -0.190 0.490 -0.599				18-DEC-88	16:11
97 98 99 100 101 102 103 104 106 107 108 109 110 111	31099 4821 31099 4821 31271 7721 31271 7721 31825 2777 31825 27780 31971 4463 43040 5569 43040 5569 43040 6765 44506 073 44506 073 44506 073 44506 1258 45788 7928 47749 2386	-1.518815E+00 3.098874E+00 1.700885E+00 -2.09885E+00 -3.809880E+00 -1.212817F+00 -1.122010E+01 -1.122010E+01 -1.673483E+01 -2.811443E+01 -2.811443E+01 -3.813443E+01 -1.635495E+01	-0.703 -0.168 -0.038 -0.168 -0.081 -0.082 -0.083 -0.188 -1.188 -1.180 -1.331 -1.118 -1.502 -1.118 -1	0 086 0 137 0 159 -0 253 0 787 -0 940 0 132 0 288 3 887 -0 827 -0 828 2 911 0 001 -6 982 -2 717	0 176 0 490 0 306 0 1422 2 422 2 082 0 241 1 378 0 000 -0 813 -0 473				18-DEC-88	18:11
97 98 99 100 101 102 103 104 106 107 108 109 110 111	31099 4821 31099 4821 31271 7721 31271 7721 31825 2777 31825 27780 31971 4463 43040 5569 43040 5569 43040 6765 44506 073 44506 073 44506 073 44506 1258 45788 7928 47749 2386	-1.518815E+00 3.098874E+00 1.700885E+00 -2.09885E+00 -3.809880E+00 -1.212817F+00 -1.122010E+01 -1.122010E+01 -1.673483E+01 -2.811443E+01 -2.811443E+01 -3.813443E+01 -1.635495E+01	-0.703 -0.168 -0.038 -0.168 -0.081 -0.082 -0.083 -0.188 -1.188 -1.180 -1.331 -1.118 -1.502 -1.118 -1	0 086 0 137 0 159 -0 253 0 787 -0 940 0 132 0 288 3 887 -0 827 -0 828 2 911 0 001 -6 982 -2 717	0 176 0 490 0 306 0 1422 2 422 2 082 0 241 1 378 0 000 -0 813 -0 473				18-DEC-88	18:11
97 98 99 100 101 102 103 104 106 107 108 109 110 111	31099 4821 31099 4821 31271 7721 31271 7721 31825 2777 31825 27780 31971 4463 43040 5569 43040 5569 43040 6765 44506 073 44506 073 44506 073 44506 1258 45788 7928 47749 2386	-1.518815E+00 3.098874E+00 1.700885E+00 -2.09885E+00 -3.809880E+00 -1.212817F+00 -1.122010E+01 -1.122010E+01 -1.673483E+01 -2.811443E+01 -2.811443E+01 -3.813443E+01 -1.635495E+01	-0.703 -0.168 -0.038 -0.168 -0.081 -0.082 -0.083 -0.188 -1.188 -1.180 -1.331 -1.118 -1.502 -1.118 -1	0.086 0.159 0.159 -0.253 0.787 -0.268 3.687 2.585 -0.656 2.911 -6.922 2.717 -25.777 2.717 -2.717	0 176 0 490 0 306 0 306 0 1422 2 422 2 620 0 341 0 500 0 341 - 15 204 - 17 823				16-DEC-88	18:11
97 98 99 100 101 102 103 104 106 107 108 109 110 111	31099 4821 31098 4821 31271 7721 31271 7721 31225 2777 31825 2777 31871 4473 31971 4474 45040 5589 44806 1053 44806 1053 44806 1053 44748 782 47749 2386 07 Notal Photal P	-1.5:168:16E-00 3.098874E-00 1.706885E-00 -2.086243E-00 -3.806850E-00 -2.978211E-01 -1.122010E-01 -1.122010E-01 -1.673463E-01 -2.811143E-01 -2.811143E-01 -3.12441E-01 -1.636496E-01 ysical loads Plied Load Modal Participat	-0.703 -0.168 -0.038 -0.168 -0.081 -0.082 -0.083 -0.188 -1.188 -1.180 -1.331 -1.118 -1.502 -1.118 -1	0 086 0 137 0 159 -0 253 0 787 -0 940 0 132 0 288 3 887 -0 827 -0 828 2 911 0 001 -6 982 -2 717	0 176 0 490 0 306 0 306 0 1422 2 422 2 620 0 341 0 500 0 341 - 15 204 - 17 823				18-DEC-88	18:11
97 99 100 101 102 103 104 106 106 107 108 110 111 112 Sum Rest Cass	31099 4821 31098 4821 31271 7721 31271 7721 31225 2777 31825 2777 31871 4473 31971 4474 45040 5589 44806 1053 44806 1053 44806 1053 44748 782 47749 2386 07 Notal Photal P	-1.5:168:16E-00 3.098874E-00 1.706885E-00 -2.086243E-00 -3.806850E-00 -2.978211E-01 -1.122010E-01 -1.122010E-01 -1.673463E-01 -2.811143E-01 -2.811143E-01 -3.12441E-01 -1.636496E-01 ysical loads Plied Load Modal Participat	-0.703 -0.168 -0.038 -0.169 -0.043 -0.043 -0.080 -1.188 -1.188 -1.181 -1.118 -1	0.086 0.137 0.159 -0.253 0.787 -0.292 0.292 3.697 -0.627 0.662 2.911 -6.92 2.717 -25.777 2.11845E-01 Inad in Each 1 610bb 1 Direction X 1.0E+02	0 176 0 190 0 490 0 306 0 142 2 422 2 622 0 820 0 241 1 378 0 600 -0 813 -0 473 -15 203 -1 78228E-01				18-DEC-88	18:11
97 98 99 100 101 102 103 104 106 106 106 109 110 111 111 111 112 Sum Ress Unsed Case	31099 4821 31098 4821 31271 7721 31271 7721 31225 2777 31825 2777 31871 4473 31971 4474 45040 5589 44806 1053 44806 1053 44806 1053 44748 782 47749 2386 07 Notal Photal P	-1.5:168:16E-00 3.098874E-00 1.706885E-00 -2.086243E-00 -3.806850E-00 -2.978211E-01 -1.122010E-01 -1.122010E-01 -1.673463E-01 -2.811143E-01 -2.811143E-01 -3.12441E-01 -1.636496E-01 ysical loads Plied Load Modal Participat	-0.703 -0.168 -0.038 -0.169 -0.043 -0.043 -0.080 -1.188 -1.188 -1.181 -1.118 -1	0.086 0.137 0.159 -0.253 0.787 -0.292 0.292 3.697 -0.627 0.662 2.911 -6.92 2.717 -25.777 2.11845E-01 Inad in Each 1 610bb 1 Direction X 1.0E+02	0 176 0 190 0 490 0 306 0 142 2 422 2 622 0 241 1 378 0 600 -0 813 -0 473 -15 203 -1 78228E-01				18-DEC-88	16:11
97 98 99 100 100 100 100 100 100 100 100 110 11	31099 4821 31098 4821 31271 7721 31271 7721 31225 2777 31825 2777 31871 4473 31971 4474 45040 5589 44806 1053 44806 1053 44806 1053 44748 783 47749 2386 07 Notal Phical P	-1.5:158:15E-00 3.098874E-00 1.706885E-00 -2.086243E-00 -3.806850E-00 -2.978211E-01 -1.122010E-01 -1.122010E-01 -1.673463E-01 -2.51143E-01 -2.51143E-01 -3.12441E-01 -1.635495E-01 ysical loads Plied Load Modal Participat	-0.703 -0.168 -0.038 -0.169 -0.043 -0.043 -0.080 -1.188 -1.188 -1.181 -1.118 -1	0.086 0.137 0.159 -0.253 0.787 -0.292 0.292 3.697 -0.627 0.662 2.911 -6.92 2.717 -25.777 2.11845E-01 Inad in Each 1 610bb 1 Direction X 1.0E+02	0 176 0 190 0 490 0 306 0 142 2 422 2 622 0 241 1 378 0 600 -0 813 -0 473 -15 203 -1 78228E-01				16-DEC-88	18:11
97 98 100 101 102 103 104 106 107 108 109 111 112 Sam Ress Unse d Case	31099 4821 31098 4821 31271 7721 31271 7721 31225 2777 31825 2777 31871 4473 31971 4474 45040 5589 44806 1053 44806 1053 44806 1053 44748 783 47749 2386 07 Notal Phical P	-1.5:158:15E-00 3.098874E-00 1.706885E-00 -2.086243E-00 -3.806850E-00 -2.978211E-01 -1.122010E-01 -1.122010E-01 -1.673463E-01 -2.51143E-01 -2.51143E-01 -3.12441E-01 -1.635495E-01 ysical loads Plied Load Modal Participat	-0.703 -0.168 -0.038 -0.169 -0.043 -0.043 -0.080 -1.188 -1.188 -1.181 -1.118 -1	0.086 0.137 0.159 -0.253 0.787 -0.292 0.292 3.697 -0.627 0.662 2.911 -6.92 2.717 -25.777 2.11845E-01 Inad in Each 1 610bb 1 Direction X 1.0E+02	0 176 0 190 0 490 0 306 0 142 2 422 2 622 0 241 1 378 0 600 -0 813 -0 473 -15 203 -1 78228E-01				16-DEC-88	18:11
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97 98 100 101 102 103 104 106 107 108 109 109 110 111 111 111 112 Sum Rest Cass d Cass d Cass d Cass	31099 4821 31098 4821 31271 7721 31271 7721 31225 2777 31825 2777 31871 4473 31971 4474 45040 5589 44806 1053 44806 1053 44806 1053 44748 783 47749 2386 07 Notal Phical P	-1.5:158:15E-00 3.098874E-00 1.706885E-00 -2.086243E-00 -3.806850E-00 -2.978211E-01 -1.122010E-01 -1.122010E-01 -1.673463E-01 -2.51143E-01 -2.51143E-01 -3.12441E-01 -1.635495E-01 ysical loads Plied Load Modal Participat	-0.703 -0.168 -0.038 -0.169 -0.043 -0.043 -0.080 -1.188 -1.188 -1.181 -1.118 -1	0.086 0.137 0.159 -0.253 0.787 -0.292 0.292 3.697 -0.627 0.662 2.911 -6.92 2.717 -25.777 2.11845E-01 Inad in Each 1 610bb 1 Direction X 1.0E+02	0 176 0 190 0 490 0 306 0 142 2 422 2 622 0 241 1 378 0 600 -0 813 -0 473 -15 203 -1 78228E-01				16-DEC-88	18:11
97 98 100 101 102 103 104 106 107 108 109 109 110 111 111 111 112 Sum Rest Cass d Cass d Cass d Cass	31099 4821 31098 4821 31271 7721 31271 7721 31225 2777 31825 2777 31871 4473 31971 4474 45040 5589 44806 1053 44806 1053 44806 1053 44748 783 47749 2386 07 Notal Phical P	-1.5:158:15E-00 3.098874E-00 1.706885E-00 -2.086243E-00 -3.806850E-00 -2.978211E-01 -1.122010E-01 -1.122010E-01 -1.673463E-01 -2.51143E-01 -2.51143E-01 -3.12441E-01 -1.635495E-01 ysical loads Plied Load Modal Participat	-0.703 -0.168 -0.038 -0.169 -0.043 -0.043 -0.080 -1.188 -1.188 -1.181 -1.118 -1	0.086 0.137 0.159 -0.253 0.787 -0.292 0.292 3.697 -0.627 0.662 2.911 -6.92 2.717 -25.777 2.11845E-01 Inad in Each 1 610bb 1 Direction X 1.0E+02	0 176 0 190 0 490 0 306 0 142 2 422 2 622 0 241 1 378 0 600 -0 813 -0 473 -15 203 -1 78228E-01				16-DEC-88	16:11
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97 98 99 100 101 102 103 108 108 109 109 109 110 111 111 112 108 108 109 111 111 112 108 108 109 111 111 112 108 108 109 110 110 110 110 110 110 110 110 110	31099 4821 31098 4821 31271 7721 31271 7721 31225 2777 31825 2777 31871 4473 31971 4474 45040 5589 44806 1053 44806 1053 44806 1053 44748 783 47749 2386 07 Notal Phical P	-1.5:158:15E-00 3.098874E-00 1.706885E-00 -2.086243E-00 -3.806850E-00 -2.978211E-01 -1.122010E-01 -1.122010E-01 -1.673463E-01 -2.51143E-01 -2.51143E-01 -3.12441E-01 -1.635495E-01 ysical loads Plied Load Modal Participat	-0.703 -0.168 -0.038 -0.169 -0.043 -0.080 -0.188 -1.188 -1.188 -1.118 -1	0.086 0.137 0.159 -0.253 0.787 -0.292 0.292 3.697 -0.627 0.662 2.911 -6.92 2.717 -25.777 2.11845E-01 Inad in Each 1 610bb 1 Direction X 1.0E+02	0 176 0 190 0 490 0 306 0 142 2 422 2 622 0 241 1 378 0 600 -0 813 -0 473 -15 203 -1 78228E-01				16-DEC-88	18:11
97 98 99 100 101 102 103 108 108 109 109 109 110 111 111 112 108 108 109 111 111 112 108 108 109 111 111 112 108 108 109 110 110 110 110 110 110 110 110 110	31099 4821 31098 4821 31271 7721 31271 7721 31225 2777 31825 2777 31871 4473 31971 4474 45040 5589 44806 1053 44806 1053 44806 1053 44748 783 47749 2386 07 Notal Phical P	-1.5:158:15E-00 3.098874E-00 1.706885E-00 -2.086243E-00 -3.806850E-00 -2.978211E-01 -1.122010E-01 -1.122010E-01 -1.673463E-01 -2.51143E-01 -2.51143E-01 -3.12441E-01 -1.635495E-01 ysical loads Plied Load Modal Participat	-0.703 -0.168 -0.038 -0.169 -0.043 -0.080 -0.188 -1.188 -1.188 -1.118 -1	0 086 0 137 0 189 -0 253 0 787 0 132 0 288 3 697 2 298 2 717 2 2 717 2 2 11545E-01 Land in Each 1 Global 7 0 178 17 916 17 916 17 916 17 916 17 916 17 916 18 186 17 916 18 186 17 916 18 186 17 916 18 186 17 916 18 18 18 18 18 18 18 18 18 18 18 18 18 1	0 176 0 190 0 490 0 306 0 142 2 422 2 622 0 241 1 378 0 600 -0 813 -0 473 -15 203 -1 78228E-01				18-DEC-88	16:11
97 98 99 100 101 102 103 108 108 109 109 109 110 111 111 112 108 108 109 111 111 112 108 108 109 111 111 112 108 108 109 110 110 110 110 110 110 110 110 110	31099 4821 31098 4821 31271 7721 31271 7721 31225 2777 31825 2777 31871 4473 31971 4474 45040 5589 44806 1053 44806 1053 44806 1053 44748 783 47749 2386 07 Notal Phical P	-1.5:158:15E-00 3.098874E-00 1.706885E-00 -2.086243E-00 -3.806850E-00 -2.978211E-01 -1.122010E-01 -1.122010E-01 -1.673463E-01 -2.51143E-01 -2.51143E-01 -3.12441E-01 -1.635495E-01 ysical loads Plied Load Modal Participat	-0.703 -0.168 -0.038 -0.169 -0.043 -0.080 -0.188 -1.188 -1.188 -1.118 -1	0 086 0 137 0 189 -0 253 0 787 0 132 0 288 3 697 2 298 2 717 2 2 717 2 2 11545E-01 Land in Each 1 Global 7 0 178 17 916 17 916 17 916 17 916 17 916 17 916 18 186 17 916 18 186 17 916 18 186 17 916 18 186 17 916 18 18 18 18 18 18 18 18 18 18 18 18 18 1	0 176 0 190 0 490 0 306 0 142 2 422 2 622 0 241 1 378 0 600 -0 813 -0 473 -15 203 -1 78228E-01				18-DEC-88	18:11
97 99 100 101 102 103 104 106 107 108 108 109 109 109 109 109 109 109 109 109 109	31099 4821 31099 4821 31271 7721 31271 7721 31825 2777 31825 27780 31971 4463 43040 5569 43040 5569 43040 6765 44506 073 44506 073 44506 073 44506 1258 45788 7928 47749 2386	-1.516815E+00 3.098874E+00 1.700885E+00 -2.09243E+00 -3.809880E+00 -1.212817F+00 -1.122010E+01 -1.122010E+01 -1.673463E+01 -2.811443E+01 -2.811443E+01 -3.813443E+01 -1.635495E+01	-0.703 -0.168 -0.038 -0.168 -0.081 -0.082 -0.083 -0.188 -1.188 -1.180 -1.331 -1.118 -1.502 -1.118 -1	0.086 0.137 0.159 0.253 0.789 0.253 0.789 0.138 0.288 2.911 0.001 -6.982 2.717 25.165 -0.677 2.11845E-01 1.0640 0.126 -3.568 17.073 -1.0640 0.136 0.322 -0.136 0.322 -0.136 0.322 -0.136 0.322 -0.136 0.322 -0.136 0.322 -0.136	0 176 0 490 0 306 0 306 0 1422 2 422 2 620 0 341 0 500 0 341 - 15 204 - 17 823	E-35			16-DEC-88	18:11

7MPO 1-L0	D. TAB ; 2		DISKE: [KPO	X.			16-DEC-88 16:11
30 1 31 1	7944 . 1355	-2.260015E+00 -6.382038E-01 -5.979527E+00	0. 093 0.177	0.861 -0.038	-0.481 0.190	•	
32 -	7944 1355 1300 1346 1360 1346 1681 0196 1681 0196 1641 4845	-5.979627E+00	0 983 0 070	-0 523	1,483		
33	9688 . 0196 8688 . 0196	-4.064104E-01 -2.573006E+00 -4.146239E+00	0.070 1.114	0.243 0.170	-0.836 -2.384 -8.722		
-35	9046.4985	-4.140239E+00	6 967	-6 114	-8.722		
36 1 37	9046 . 4945 9811 8222	-7 248073E+00 -2 493897E+00	12.487 2.273 -1.402	7.064 -2.196 -1.287	-6.368 1.513		
38	9611 8222 9611 8222 9647 6711 9647 6711	1.081113E+00	-1.402 1.581	-1.287 -1.825	-1.123 -0.276		
38 1	8847 8711	-2.979492E+00 -4.931029E+00	5,042	1.928	2:198		
41 2	0413 9234	2 . 348335E+0 0 3 . 2354 13E+00	5.042 0.038 -0.844	1.726 -0.317 -0.335	~1.033 0.995		
42 2 43 2	0413.9234 0804.2238 0804.2238	-9.84KB98E-01	-0.115	0 132	0.069		
44 2	0802 : 2238 1137 : 2761	-7 509074E+00 -4 812946E+00	0.098 0.003	0.031 0.082	-0.957 -2.106		
46 2	1137.2761	-2.547863E+00	- 1 R39	-0.755	-1.145		
47 - 3	1403 3027 1403 3027	-2.547863E+00 -4.99829E+00 -4.801027E+00	-1.057 -2.163	1 382	-1.145 1.276 0.899		
ad Case	(30) Load	Modal Participa:	ion Factors				
		/-	Globa X	Global Y	Right 2		
Mode	•	Participation Factor	Direction X 1.0E+02	Direction X 1.0E+02	Direction X 1.0E+02		
MDer	Frequency						
58	2128 8713 2128 8713	-1 721017E+00 1 072555E+00	-1.611 0.483	8:539 8:749	1:292		
51	2657 8837 2657 8837	349158E+00	-0 716	-0.091	0.085		
52	2657.8837	1.358727E+00	0.261 3.952	-0.492 -0.404	0.095 -1.795		
-62	2986 9870 2986 9970 3155 8038 3155 8038 3570 5022 4230 3522 4230 3522	1 072555+00 1 3491565+00 1 3587275+00 3 8879105+00 -4 3176925+00 -3 7273565+00 3 6550835+00	-1,116	3.514	-2.518		
55	3155 8038	-3 727358E+00 3 855083E+00	2.583 -1.147	-0.706 -2.658 0.064	-3.369 -2.066 3.748		
55 56 57 58	3570 5022	2.286339E+00 -3.518377E-01	-1 147 -0 523 - 0 046	0.004	3 749		
58 59	4230 3522	-3.518377E-01 -2.523599E+00	1 102	-0.170 -0.794	-0.47ó		
60	4230 5522		0 078 -0 744	-0.794 0.077 0.369	-0.077 -0.147		
- 94 -	77.4	1 844484E+00 -2 844220E+00 2 593083E+00 -7 374700E-01	-0.039	1.584	-1,062 0.769		,
63 64	4911.9906 4911.9906	2.593083E+00	-0 215	0. 888 -0.121			
66 66	6014.3813	3 978278E+00	-0.382 1.095 0.211	-0 612	-1.899 0.705		
66 67	6014 3613 6014 3613 6229 1127	1.985441E+00 4.353688E+00	0.211 -1. 663	0.498 -0.159	0.705 0.743		
ae '	MC778 1177	-1 098449E+00	-0.142	0,270	0.413 1.222		
- 98 -	6369 5374 6368 5374 6737 9662 6737 9662 7154 7875	2 787911E+00 9 402821E+00	-1.112 -4.573	-9.674	-3.177		
21	6737 . 9662	~2.560223E+00	-3.377	3 748 0 669 -2 668 -0 611	0.341 0.412		
72	8737 9882 7154 7875	2.019932E+00 3.548241E+00	0 171	-2.868 -0.611	2.032	•	
74	7164.7876	3.385584E-01 3.259225E+00	0.025 -1.883	0 002	-0.802 -0.802		
76	7736 . 63 85	1 289774E+00	0.097	1 094	0.498 0.160		
77	8817:8851	-8 563761E-01 2 627007E+00	-1 160 -3.558	-0.620 3.763	-0.211 0.381		
78	(SU17.9561	2.62/00/2700	~3.990	3.193	V.301		
			 				
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IMPD1-L	OAD TAB;2		DISK6: [KPO	DLJ				16-DEC-88	18:11
79 80	28237 . 2658 28237 . 2658 28828 . 7957	2 3629575+00 1 1452215+00 4 017545+00 2 3454755+00 -1 3219675+00 -1 142105+00 -1 143105+00 -1 143105+00 -1 179205+00 -9 2443625-01 -9 181736-02 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -2 632685+00 -3 632685+00 -4 632685+00 -5 465185+00 -6 745185+00 -7 632685+00 -	-4 . 182 0 . 407	1.740 1.591	0.552 0.022				
81	28828 7957	4.017545E+00	1.586 1.008	0.838 -1 136	-0.918 -0.876				
82 83 84	28828 7967 29132 8701 29132 8701	-1.8219676+00	0.358	-0.650 0.210	-0.276 -0.264 0.308				
85 86 87	29427.965	-1 1143105+00	-0.626	0,408 -0.062	-0.254 0.308 0.632 0.030 -0.548 -0.541				
87	29761.8522	-3.866497E+00	0.952	-3 030 -0 268	-0.546 -0.541				
- 89 - 89	20004 8330	-9 243962E-01	-0 087	0 838 -1 238 -0 550 0 210 0 408 -0 062 -3 030 -0 288 -0 168 0 383 -2 317	-0.662	···	,		
90 91	20004 - 5579 30107 : 3079	-9 191736E-02 -3 532898E+00	2.432	-0.236 -0.018 0.383	0.498				
- 83	28237 2656 28828 7957 28828 7957 28132 8701 29132 8701 29427 9851 29427 9851 29427 8852 29761 8522 29694 8339 30107 3079 30107 3079 30492 8854 30881 7471	-2 6939895+00 1 8284805+00	-4 182 -4 192 1 556 1 506 1 553 -0 626 -0 552 -0 552 -0 741 -0 055 2 432 -0 566 -0 952 -0 741 -0 055 -0 952 -0	8:367	-0.662 -0.003 0.498 0.480 0.862 -0.120 0.653			· · · · · · · · · · · · · · · · · · ·	
92 93 94 96 96	30492.9964 30861.7471	3 2367806+00 -5 446141E+00	5 . 343 -2 . 826	0.301 -2.127 3.176	-0 120				
of ad Case	30881 7471	1.699049E+00 Model Participe	tion Factors	(750					
		7	Global X	Loed in Each Globel Y Direction	Mode 21obe 1 Z				
Mode	Frequency	Participation Factor	tion Factors Physical Globel X Direction X 1.05+02	N 1.8E+82	Blobe 1 Z Direction X 1.0E+02				
	31099.4821			-0.117					
<u>9ģ</u>	31099 4521	7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	- 6 075 - 8 843	-8 176	- 0 079 -8 198				
99 100 101 102	31271 7721	-2 8967018-01 -8 460449 -02 7 8968738-01	0.949 -0.075 -0.042 0.016 0.034 -0.103	0.024	0.018 -0.024 0.231		•		
102	31825 2780	7 575 575 -01	- <u>0.103</u>	-0.039 0.342	8.68				
104 105	31971 4474	-2 662097 -01	-0.032 0.041 -1.287	0.042 0.065 3.948 -0.947	0,098 0,031 2,586 -0,767				
-106 -107	31099 4621 21099 4621 31271 7721 31271 7721 31825 2777 31875 2780 31971 4463 43040 5569 43040 5765 44806 0073 44806 0073 44806 1258 45788 5728 47748 8967 47748 8967	7 254 72 - 01 -1 2171 12 +00 -2 682087 - 01 -3 180188 +01 4 108843 +00 -2 654769 +01 4 583284 +00 2 224040 +01 -1 273223 +01 3 3048198 +01	-0.220	-0.641	0 172 0 079 -0 198 0 018 -0 024 0 031 2 588 -0 064 -1 066 -1 066				
107	44806 . 1258	4 683284E+00	-1.380 0.306	-0 1EE	-0.066 -1.060		•		
109	45788 5728 45788 7998	2 224940E+01 -1 331715E+01	0.627	-2.304 0.211	-0.036		·		
111	47748 . 8967 47749 . 2386	3 3048 19E+01	-2.002 -8.976	3.300 -5.489	0.395 0.968				
Sim	of Model Pr	weicel Leads	30 406	-1.367	-17.276				
Resi	ultant of Arcaled Are (31) Loss	اممما اممناه	44.060 4.40802£-01	-1.367 -3.555365-03	-1.84913E-01				
oed Cas	31) Logo	Model Participa	4.408025-01 Ition Factors	Load to Each	Mode/		· · · · · · · · · · · · · · · · · · ·		
Mode			Globel X Direction X 1.06+02	Globel Y Direction X 1.0E+02	Globel Z Direction X 1.06+02				
unber	Frequency	Participation Factor							
1	2108 7981 2108 7981 4206 7368 4206 7368 6703 5061	-2 8402 15E+00 -1 8080 12E+00 1 918584E+00 4 857853E+00 4 837233E+00	-2.549 0.164 5.242 36.728	-0.449 -1.951 -14.737 6.739 1.159	-19.819 -7.833 1.161				
2	4206 7368	1 918584E+00	5.242	-14 737	1.161 1.120 6.900	E-36			

				ORIGIN	NAL PAGE IS	
				OF PO	OR QUALITY	
THPD1-LOAD TAB;2		DISKE [KPOOL	•			18-DEC-88 18:11
6 8703.5051 7 7745.5701 8 7745.5701	-1 213487E+00 -5 314948E-01 -3 483405-00 7 239380E-01 4 135280E-00 -8 75454E-00 5 884807E-01 1 48877E-01 1 48877E-01 -3 80488E-00 -3 80488E-00 -1 5724E-00 -2 175474E-00 -2 175474E-00 -2 175474E-00 -2 175474E-00 -3 175474E-00 -4 175474E-00 -5 85674E-01 -7 32068E-01 -7 32068E-01 -7 32068E-01 -7 32068E-01 -7 32068E-01 -7 32068E-01 -7 32068E-01	-0.110 -0.513	-0.184 0.839 -5.060 -2.803 8.769 0.403 0.510 -0.533 0.715	0.710		
11/45 510	-3 469406 +00	-0.110 -0.513 -0.214 -1.333 10.164 -1.760 -1.762 -0.480 -0.494 -0.203	-6 080	0.710 2.866 10.368 0.487 -1.310 -3.819 0.043 -0.033 -0.193 -1.387 -0.341 -8.802	······································	
10 9116.8478	4 1362806+00	10.154	-2.503 8.769	-1.310		
-13 8277 1146	-8-7545045+00 5-2625072-01	0.230	0.403 8.618	-3.889		
12 9277 8146 13 10498 2463	-5.891017E-01	-1.752	-0.633 0.716 0.640	-0.033 -0.163		
14 10498 2463 16 11946 3505 16 1646 3506 17 13167 1228	7587808-00	1.406	0.640	1.347	·· · · · · · · · · · · · · · · · · ·	
16 11845.3606 17 13167.1228	-7.461818E-01 -4.817824E+00	-0.484 0.203	-0.458 1.568	-0.341 -8.802		
18 13167 1228 19 13714 6429	-3.301517E-01	0.141 -0.859	-0.097 -1.889			
8 7745 8761 9 9115 8478 10 9115 8478 11 9277 8146 12 9277 8146 13 10498 2483 14 10498 2483 15 11946 3506 17 13167 1228 18 13167 1228 19 13714 8429 20 13714 8429 21 13965 2388 22 13965 2388 23 15803 7063 25 17348 7043 26 17348 7043 27 17423 4712 28 17723 4712 29 17944 1355 30 17944 1355 30 17944 1355	-1.572874E+00	0 141 -0 859 0 1596 -1 438 -0 023 -0 152 0 046 1 018	0 640 -0 458 -1 582 -0 097 -1 669 -0 283 -0 396 0 162 0 162 -0 004 -2 348 0 553 -3 287 0 037 0 368 0 1037 0 304 0 1033 -0 125 -1 303 -1 30	-2.281 1.283 4.584 -1.082 -0.181 0.105 5.003 0.804 -3.875 -0.881 -0.205 1.524 2.274 2.274 1.751 -7.881 -7.881 -7.885 0.255 -1.182 -1.18	···	· · · · · · · · · · · · · · · · · · ·
22 13965 9388	-2 175478E+00	-0.023	0.066	-1.062		
- 73 15803 7053	5 - 205 9 2 ME - 01 1 : 732063E - 01	9.045 9.045	-0.004	-0.161 0.106		
25 17348 7043 26 17348 7043	-5.856712E+00 5.799579E+00	1.018	-2.348 0.553	5.003 0.804		
27 17723 4712	1.793985E+00	3.857	-3.267	2.604		
29 17944 1355	1 162016E+00	-3,912 3,857 4,923 0,501	0:037	-3.675 -0.661		•
30 17944.1355 31 18360.8346	-9.885203E-01 -5.118915E+00	0.040	0.368 -0.364	-0.205 1.524		
32 8360 8346 33 8888 0 196 34 18688 0 196 35 19046 4885 36 19046 4885 37 19611 8222 38 19611 8222 38 19617 6711 40 1947 671	5.067419E+00	-0.832 -0.335	0.442	-1.241		
34 18688.0196	1.889018E+00	-0.818	-0.125	1:761		
35 9046 4985	-3 593433E+00	6.191	3:497	-7.681 -3.152		
37 19611.8222 38 19611.8222	1.915176E+00 -8.971988E-01	-0.832 -0.818 -0.818 -6.023 -1.745 -1.186 -1.290	1.686 1.089 1.489	-1.162 0.950		
39 19947 6711	2 4306325+00	-1.290		9.225		
41 20413.9234	-7 226673E+00	-0.118	0.977	3: 179		
42 20413.9234 43 20804.2238	6 175314E+00	-0.200 0.722	-0.079 -0.831	-0.431		
44 20804 2238 45 21137 2761	-2.158244E+00 1.278485E+00	-0 118 -0 200 -0 722 -0 028 -0 001	0.009	-0.275 0.559		
28 17923 4712 29 17944 1355 30 17944 1355 31 18360 8346 32 18380 8346 33 18388 0196 34 18888 0196 35 19046 4885 36 19046 4885 37 19611 8222 38 19611 8222 38 19611 8222 40 19947 6711 41 20413 9234 42 20413 9234 43 20804 2238 44 2137 2761 46 21137 2761 47 21403 3027 48 21403 3027 48 21403 3027		-1.569 1.330 -2.697	0.977 -0.079 -0.831 -0.009 -0.022 -0.723 -1.738	-0.276 0.559 -1.098 -1.604		
28 2 203 3021	-6.013718E+00	-2.897	1:675	0.8%		
ed Case (31) Los	d Model Participati	on Factors	oad in Each Mor	ie/		
Mode	Participation	Birection	Richal Y	Blobel 2		
mber Frequency	Participation Factor	Direction X 1.0E+02	Direction X 1.0E+02	Direction X 1.0E+02		
48 22128 6713	-1 940821E+00	-1.817	9.721	1.853	· · · · · · · · · · · · · · · · · · ·	
48 22128 6713 50 22128 6713 51 22657 8837 52 22657 8837 53 22667 8837 64 22986 8970	-1 940821E+00 1 48950E+00 5 637833E-01 2 78636E-00 -9 78556E-01 -3 31248E+00	-1.817 0.670 -0.299 0.532 -0.968 -0.856	0 721 1 041 -0 038 -1 001 0 089 2 896	1 853 0 656 0 036 0 144 -1 832		
52 2265 7 8837 53 22966 9970	2.766103E+00	0.532	-1,001 0,000	0.194 0.440		
22 998 9970	-3.312486E+00	-0.856	2.696	-1.832	****	· · · · · · · · · · · · · · · · · · ·

IMPO1-LOAD . TAB;			DISK6: [KPO	OL)				16-DEC-88 18:11 P
55 23155 805 56 23155 805 57 23570 505 58 23570 505 59 24230 35 61 24697 848 62 24697 848 63 24911 80	8 -1.224 8 -4 773	996E+00 587E+00	0.849 1.498	-0.232 3.471	-1.107 2.687			
57 23670 50 58 23670 60 59 24230 36 80 24230 36	2 -4.313 2 -2.768	717E+00	0.986 0.363 -1.403 0.626	-0 158	-7.072 2.577 0.599			
59 24230 35	2 3 212	461E+00 963E+00 963E+00 191E+00 375E-02 268E+00	-1.403 0.636	-1:340 1:011 0:618 0:365 2:965 0:266 0:306 0:400 -0:021 0:080	0.599 -0.617			
61 24697.64	6 1.624	983E+00	-0.736	0.365		<u></u>		
61 24897 848 62 24697 646 63 24911 890 64 24911 890 65 26014 361 66 26014 361 67 26229 112	9 -5.598 5 7.482	191E+00 375E-02	-0.074 -0.006	2 963 0 026	-1.966 0.022 0.122			
24 24 11 99	1 142	?## <u>#</u>	0 964	8.208	0 122			
66 26014 361		000E -02	-0.009 0.523	-0.021 0.060 -0.040	-0.030 -0.236			
68 20229	7 1 633	E44E-01	0.021	-0.040	-0.663			
69 26369.537 70 26369.537	4 1.453 4 5.038	533E+00 010E+00	-0.580 -2.448 -7.990	-0.362 2.007	-0 146 -1 965 0 022 0 122 1 566 -0 026 -0 027 0 677 -1 701			
71 26737 900	2 -6 036 2 -2 523	728E+00	-7.980 0.038	1.576 -3.333	0.003			•
57 23570 50 58 23570 50 59 24220 35 60 24220 35 61 24257 64 62 24657 64 63 24911 98 64 24911 98 66 26014 36 66 26014 36 67 26229 11 68 26239 53 70 26369 53 71 26737 98 72 27157 98 77 28017 98 77 28017 98 77 28017 98 77 28017 98 77 28017 98 77 28017 98 78 28017 98 79 28227 25 80 28227 25	1 165	748 + 66 148 + 60 148 + 60 148 + 60 144 + 60 153 + 60 172 + 60 172 + 60 174 +	0.066	-0.200	0.00			
76 27736 634	5 2 444	741-20	0.008 -1.412	0.001 0.488	0 800 9 373 -0 120	•		
76 27736 63 77 28017 98	5 -1 30 5	7745+00 0145-01	-0 072 8 298	-0.819 8.163	-8 122 -			
78 28017.986	3 832	2111+00	-6.188 -0.194	0.168 5.474 0.068 0.947	0 555 0 018			
79 28237.25 80 28237.25	7 102	-01	0 253	0.047	0.058		<u> </u>	····
81 28828.79 82 28828.79	7 1.176	449E+00	-0.210 -0.416	-0.111 0.551 0.171	0.055 0.555 0.018 0.055 0.122 0.361 0.067			
82 28828 790 83 29132 870 34 29132 870	1 4. 800	3155-01 3455+00	-0.094 -0.502	0.171	0.087 -0.148			
78 28017, 98 79 28227, 28 80 28227, 28 81 28128, 78 82 28328, 78 83 29132, 87 84 79132, 87 85 29427, 98 85 29427, 98 87 29761, 85 88 29761, 85	1 -1 840	6141+00 2322 -01 4122+00 3792 -01	-1,412 -0,072 -0,296 -5,188 -0,134 -0,250 -0,416 -0,094 -0,508 -0,922 -0,943 -0,956 -0,956 -0,956 -0,956 -0,956 -0,826 -0,826	-0.102 0.600 0.351 -3.139 0.208 -0.003 -0.003 -0.136 -0.211	-0.203 -0.203 -0.566 -0.413 -0.016			
86 29427.981 87 29761.85	2 -3.797	4122+00	0.986	-3:139	-ŏ∶ ses			
89 29984 83 90 29984 83 91 30107 30	9 4 294	# 6 + 60	0.406	1,696	3.62	••••		
89 29994.83 90 29994.83 91 30107.30 92 30107.30	9 -4.199	968 +00 461 -01 1396 +00 240 +00 844 +00	0.251 -0.885	-0.083 -0.136	-0.016 -0.181		•	
92 30107 30	1.539	292 - 20	<u> </u>	-1.325	0.007		· · · · · · · · · · · · · · · · · · ·	
92 30107 30 93 30492 99 94 30492 99 95 30961 74	4 -1.341 4 -1.994	844E+00	0.665 -3.294 0.121	-0. <u>221</u> 1. 3 11	-0.53	-		
95 30981.74° 96 30981.74°	1 2.331	1881 -01 3176-01	0.121 -0.041	-0.136 -0.136	-0.181 -0.087 -0.53 -0.53 -0.63			
	ad Mode	Part icipat	ion Factors Physical	load in Each	lode/			
	Bu né te		Blobe X Direction	Load in Each Globe Y Direction	Globel Z Direction			
Mode mber Frequenc	y Part 10	Factor	X 1.0E+02	X 1.0E+02	X 1.0E+02		 	
97 31099.48	1 -7.887	198E-02	0.022	-0.003 0.540	0,004			
- 28 - 31999 46	1 -3 21	1995 -02 8045 +00	-8.861	0.840	9.921			· · · · · · · · · · · · · · · · · · ·
98 31099 45 99 31271 77 100 31271 77 101 31275 27 102 31835 27 103 31971 44	-1.6	000 +00 700 +00 760 +00 844 -02	0.022 -0.661 -0.061 0.065 0.719	-0.214 0.127 -0.829 -0.008	0.004 -0.504 -0.505 -0.517 -0.505	E-37		
102 312 27	7 1 707	0442 -02 2106+00	0.719 0.002	-0,829 -0,008 -0,000	-0.517 -0.705 -0.158			

#P01-LOAD. TAB; 2	DISK8: [KPC	30L]		16-DEC-88 18
104 31971.4474 2.2406365- 105 43040.8569 -2.5209705- 106 43040.8765 2.0870815- 107 44806.0073 3.1847835-	+00 -0.347 +01 -1.004 +01 -1.237 +01 -1.391 +01 -1.391	-0.550 3 130 -4.831	-0 281 2 050 -3 865 -0 763 0 300 0 745	
105 43040 6566 - 5 200705- 106 43040 6765 2 0870615- 107 44806 0073 3 1947635- 108 44806 1258 - 2 0824245- 109 45788 6728 - 1 5 186506- 110 45788 7988 - 1 500365- 111 47748 8867 - 2 0837165- 111 47749 2386 - 5 3298155-	101 - 1724	-1.13	-3 586 -0 763	
108 44806 1268 -2 082424E	- 1.391	0 771 0 707	-0.763 0.300	
108 44806 1258 -2 082424E 109 45788 5728 -1 518550E 110 45788 7698 - 800388E	X - X - X - X - X - X - X - X - X - X -	1.574 0.238 5.482	-8 643	
111 47748 8967 -2 053716E4 112 47749 2386 -5 329815E4	H01 -3.229 H00 1.448	5.482 0.885	-0.043 0.637 -0.164	
Sum of Mode! Physical Loads	46 726			
Sum of Model Physical Loads Resultant of Applied Load Unscaled Applied Load	29 796	18.967 27.788 2.77876E-01	- 18 . 202 - 16 . 468	
Case (32) Load Model Part	36 748 29 795 2.979478-01 icination Factors / Physical Global X Direction	2.77876E-01	-1.64595E-01	
	/ Physical	Load in Each	Mode/ Blobal Z	
ode Participati per Frequency Fact	on Direction	Direction X 1 0E+02	Direction X 1.0E+02	
1 2108.7961 -3.534346E+ 2 2108.7961 -1.936923E- 3 4206.7368 4.049647E+	-00 -2.823 -01 0.016 -00 11.076	-0.540 -0.188	-23 . 824 -0 . 795 -2 . 431	
4 4206 7368 3 401003E+ 5 6703 5051 -4 821838E+	01 0.016 -00 11.076 -00 24.510 -00 0.346	-31 138 4.664	O 7RR	
6 6703 5051 -1 503591E+	00 0 346 00 -0 137 00 -2.646	-1.155 -0.203	-5.881 0.880	
2 2108 1901 1 336924 4 4206 7368 4 04964751 4 4206 7368 3 40100355 5 6703 5051 -4 82483854 6 6703 5051 -1 50359154 7 7745 5701 -2 74234854 9 9115 8478 -1 76772454 10 9115 8478 -1 76772454 11 9277 8146 4 92319754 12 9277 8146 3 39758252 13 10488 2483 5 884185	90 -2.646 -0.146	-31 138 4.664 -1.156 -0.203 4.330 -3.452	13.757	
9 9115 8478 -1 767724E- 10 9115 8478 5 736252E- 11 9277 8146 4 023197E- 12 9277 8146 -3 397582E-	00 3 254 00 14 085		13 757 7 087 -1 188	
11 9277 8146 4 0231978	1 167	12 164 -0 240 -2 102	-1.817 2.316	-
12 9277.8146 -3.397582E+ 13 10498.2463 5.660416E- 14 10498.2463 1.291317E+	00 -1 167 00 -1 482 01 1 743	0.531	-O (E)	
14 10498 2463 1 2913 17E+ 15 11846 3605 5 883000E- 16 11846 3806 -4 378454E-	01 0.598 01 0.470	0.816	0 033 -0 166 -0 464	
17 13187 1228 -3 935881E+	00 0 598 01 0 70 01 -0 294 00 0 166 00 -1 150 00 963	-0.289 1.281 0.792	-0.200 -7.190 -9.093 -2.537	
18 13167 1228 2 898732E+	ŎŎ -Ĭ∷ <u>15</u> 0	0.792	-9.093	
20 13714 6429 3 727309E+ 21 13966 9388 -8 343791E+	00 -1412 00 -1:379	- 1 873	-7 977	
21 13965 9388 -8 34379 E- 22 13965 8388 1 426635 E- 23 15803 7053 2 35634 E-	00 - 1 3 1 5	-0.083 -0.044 0.568	-2 822 4 376 0 702 -0 602	•
18 13714 6429 - 4 486591E+ 20 13714 6429 - 3 727308E+ 21 13965 8388 - 8 343791E+ 22 13965 8388 - 8 343791E+ 23 15803 7053 - 3 300083E+ 24 15803 7053 - 3 300083E+ 24 15803 7053 - 3 300083E+ 25 17348 7043 1 018685E+ 27 17723 4712 9 02804E+ 28 17723 4712 9 02804E+ 29 17944 1365 3 146826E+ 31 15803 8346 1 016436E+ 31 15803 8346 1 016436E+ 31 15803 8346 1 159994E+ 34 18688 0196 1 159994E+ 34 18688 0196 1 159994E+ 34 18688 0196 1 159994E+ 34 18688 0196 1 159994E+ 34 18688 0196 1 159994E+ 35 19968 0196 1 159994E+	00 -0.569 01 -0.085	0 568 8 668	- <u>- Ř (Ř</u>	
24 15803 063 -3 3000832- 25 17348 7043 1 018685- 26 17348 7043 -2 4625645- 27 17723 4712 2 806348- 28 17723 4712 2 806348-	01 -1,771 00, 1,661	A DOA	-0 202 -8 702 -0 257 -0 131 -0 232 -0 221 0 569 1 756	
26 17348 7043 -2 482584E+ 27 17723 4712 9 028084E- 28 17723 4712 2 808348E-	0 194	-0.164	-0.257 0.131	
29 17944 1355 -4 062670E- 30 17944 1355 3 146920E- 31 18360 8346 -5 896318E- 32 18360 8346 1 015436E- 33 1888 0196 -1 8094E- 34 1888 0196 1 87888E-	U1 =0.17K	~0.013	-0.232 0.231	
30 17944 1365 3 146920E+ 31 18360 8346 -5 896318E+	00 -0.129 00 1 840	-1.198	0.869	
32 18380 8346 1 0164368+ 33 18688 0196 -1 1509848+	00 -0.167	-0.361 0.089 0.690	-0 249	
34 18688.0196 1.876698E+ 35 19046.4985 2.159136E+ 36 19046.4985 -1.128587E+	00 -0 813 00 -3.571	-0 124 -3 184	-1.518 1.739	
35 19046 4985 2 159135E+ 36 19046 4985 -1 128697E+	68 1.844	1.098	-0.542 -0.990	

	AD. TAB;2		DISKE: [KP				16-DEC-88 18:1
37 38	9611 8222 9611 8222 9947 6711	2.914839E+00 -2.116739E+00 1.185109E+00 -1.981018E+00 -4.080610E+00 4.483909E+00	-2.666 2 796 -0.629	2.566 2.567 0.726 0.683 0.549 -0.482 1.086 0.000 -0.047 -0.684	-1.788 2.239		12 22 33 15.1
39 40 41	9947.6711 9947.6711	1.185109E+00 -1.981016E+00	-0.829 2.026	0.726			
41 2	0413 8234 0413 8234	-4 080610E+00 4 483909E+00	2,026 -0.066 -1.165	0.549 -0.462	786		
43 2	0804 . 2238 0804 . 2238	-8 145016E+00 5 654795E-02	-2.656 -0.629 -0.629 -0.056 -1.165 -0.052 -0.001 -0.002	1.096	1 123 786 1 373 0 568 0 007 1 221	·	
45 2 46 2	1137.2761 1137.2761	2 789858E+00 -2 357330F+00	-0.002	-0.047 -0.898	1 221		
47 2	1403 3027	-7 840783E-01	-0.166	-0.217 -1.722	0 200 -0 828		
d Case	19947, 671; 19947, 671; 10413, 2234 10413, 2234 10404, 2238 10804, 2238 1137, 276; 1137, 276; 1403, 3027 1403, 3027 (32) Load	Model Participet	ion Factors	*1.722	-0.828		
ode		Participation	Global X	Globel Y Direction X 1.06+02	Globel 2		
ber	Frequency	Factor	X 1.0E+02	X 1.06+02	Globel Z Direction X 1.05+02		
49 2 50 2	2128.6713	-1 9810165+00 -4 0806105+00 -4 0806105+00 -8 1480185+00 -8 1480185+00 -7 8407855-02 2 789855+00 -7 8407855-01 5 8924295+00 Modal Participation Factor -1 2843965+00 -1 1264965+00 8 0146065+00	-1.184	0.489	1.207		
49 22 50 22 51 22 53 22 54 22 55 22 56 22 58 58 22 58 22 58 22 58 22 58 22 58 22 58 22 58 22 58 22 58 22 58	2128 6713 2057 1837 2057 1837 2058 977 2008 977 977 977 977 977 977 977 977 977 977	4 4204525-02	-1 184 2 706 -0 703 -0 846 -1 578 -0 912 3 851 -0 831	0.489 4.202 -0.003 1.218 0.162 2.870 -1.062 -1.926	1 207 2 849 0 003 -0 205 -0 207 -5 024 -5 027 -5 028 -0 689 -0 546 1 376	·	
53 2 54 2	2966 9977	-1 500408+00	-1.578	0.162	-8:379		
55 2 66 2	9155 8038	-1 88848E-00 -3 88328E-00 -5 887703E-00	3.851	-1.062	-2.067 -6.024		•
57 2	5 70 D022	2 276 8632 +00	-0.521 -0.099		3 736 -0 699	·	
\$0 2 80 2	4230 \$22	2 9300205+00	1.279	-0.384 -0.922	-0.699 -0.646	•	
61 2	4897 6459	-1 037624E+00	0.440	-0.20g	1.378		
63 2	4911.9906	722182 +00	0.026 -0.142 0.697	-1.020 0.590	0,063 0,686 0,611 0,088		
66 2	8014.3613	2 452555 +00		-0.316	-1.171		
87 2	5229 . 1127	2 452555E+00 2 173453E+00 -6 302255E-01	0.675 0.231 0.239	0. 546 0.023	-1.171 0.772 -0.108 -1.849		
69 2	8369 8374	2.8504648+00	-1.137	-1.207 -0.689	-1 849 -1 248		
71 2	5737 9662	-5.419452E+00 -6.277823E-01	0.231 0.239 0.637 -1.137 2.636 -0.828 -0.068	-2.160 0.164	1 231		
61 22 23 66 24 66 24 66 24 66 24 66 24 66 24 69 24 71 72 77 77 77 77 77 77 77 77 77 77 77 77	2128 8713 2057 1837 2057 1837 2057 1837 2057 1837 2058 987 2068 98	-3.090728E+00	-0.068 -0.149	0 3844 -0 9227 -0 2020 -1 520 -1 520 -1 520 -1 546 -1 2027 -1	-1 849 1 249 1 231 0 052 -1 70 0 008 0 314 -0 120 -0 147 1 057 -0 089		
15 2	7736 6396	-1.099298E+00 2.067066E+00 -1.403398E+00	-0.082 -1.182	-0.00€ 0.410	0. 006		
77 3	017.9851	-1.178171E+88	-0 149 -0 082 -1 188 -0 073 -1 583 -1 370 -2 046 -0 466 -0 402 -0 284 -0 170 -0 598	-0.821 -0.862	- 30 120	· · · · · · · · · · · · · · · · · · ·	
78 21	237.256	-1.012357E+00 4.528441E+00	1.370 -8.014	-1.446	-0 147		
78 20 79 20 81 20 82 83 84	1237 - 1989 -	1.012357 +00 4.528441+00 -1.223645+00 1.827078+00 1.327385+00 4.153627-01 1.081518+00	-0.456 8.72k	- <u>- 772</u>	-0.089	·	
82 21 83 21	828.7957 9132.8701	1 136738E+00 1 342365E+00	-0.402	Ŏ. 	-0.431 0.349 0.187		* *
# 3	9132 8701 9427 9881	4.1676378-01		-0.094 -0.388	-0.000 -0.602	E-38	

* IMPD1	-LOAD TAB; 2		DISK6: [KP	00L)	······································	16-DEC-88 16:11
86 87	29427.9851 29761.8522 29761.8522	-2.607559E+00 2.869643E+00 2.388321E-01	-0.138 -0.745	-1.131 2.372	0. 664 0.427 0.110	16-DEC-88 16:11-7
88 88	29761.8522 29994.8339	2.388321E-01 3.781968E+00	-0.745 -0.150 0.368 -0.765	2 372 0 054 0 980 0 249 0 060 -0 106	0.110 2.666 0.045	
- <u>\$1</u>	29994 8339 29994 8339 30107 3079 30107 3079 30492 9964	1 282611E+00 -5 512701E-01 -1 233647E-01 2 040497E+00	-0.755 0.380 0.050	0.249 0.060	0.078	·
93 94		-1.589183E+00	-1.012 -2.624	0.336 1.045	0.008 0.536 -0.419	
95 96 09d Car	30861 7471 30861 7471	1 298995E+00 4 919916E+00 d Modal Particips	1 (55	-0.757 3.618	0 029	
	.30 (32/ LOB	u model Perticipa	/ Dhuaiss			
Mode Jumper	Frequency		Blobal X Direction X 1.0E+02	Direction X 1.0E+02	Global Z Direction X 1.0E+02	
97 98	31099 4821 31099 4621 31271 7721	6.965507E-01 2.571017E+00	-0.199 0.769	-0.828	-8:235	
99 100	31271.7721	-4 070044E+00 4 936467E+00	0 102 -0 270	-0.828 0.428 -0.404	-0.807 0.469	
101	31825 2777	4 936467E+00 -3 633402E+00 -7 945730E-01	0 103	-1.675 -0.367 -0.034	0 489 -0 303 -1 044 -0 231 -0 079	
103 104 105	31971.4463 31971.4474 43040 EE89	A AAAFAAF . AA	0.025 0.626	0.991	0.471	
105 106 107	43040 6765 44806 0073	-8 317915E+00 1 476122E+01 1 009577E+01	-0.331 -0.791 0.517	1 033 -3.401 0.244	-2: 976 -2:928	
108 109 110	43040 5569 43040 6765 44806 0073 44806 1268 45788 6728 45788 6728	-2.340191E+01 3.880130E+01 1.238023E+01	-1.563 -0.734 -0.583	0.794	-2.720 -0.241 0.337 -1.902 0.038	
111	47748 8967 47749 2386	2 XUNGU/F+U1	-0.583 4.412 2.362	-4.019 -0.196 -7.492	~0.871	
Sur	e of Mode P	hysical neds	40 070	1 .445 6 .760	-0.251 -18.779	
Uns	suitant of Apscaled Apscaled Apscaled Apscaled Apscaled Apscale (33) Load		39.727	9.313	- 16 6 16 - 1 . 66 160E - 0 1	
	Mary Charles	d Modal Participa	Global X	Load in Each I	lode/	
Mode Inber	Frequency	Participation Factor	Direction X 1 0E+02	Direction X 1.0E+02	Global Z Direction X 1.0E+02	
1 2	2108.7961 2108.7961	-3.832904E+00 -1.137873E+00	-2.902 0.002			
- 3	2108 7961 4206 7368 4206 7368 6703 5051	-3.832904E+00 -1.137673E+00 -3.311465E+00 -4.777880E+00	-2.902 0.092 9.057 34.433 -0.030 -0.503	-0.555 -1.104 -25.463 -6.552 0.100	-24 489 -4 670 1 988	
5 6 7	6703 505 6703 505 7745 570 7745 570	4 163686E-01 -5.542984E+00 -1 997555E+00 -3.015098E+00	-0.030 -0.503	-0 747	0 502	
8	9115.8478	-3.015098E+00 2.076137E-01	-1 927 -0 186 -0 382	-4 399 -0 746	3 249 10 021 9 006	
		5 942883E±00	-0.382 14.592	12.601	0.139 -1.882	
10 11 12	9115 8478 9277 8146 9277 8146	2 372682E+00 5 591361E+00	-0.688 2.430			
11	9115 8478 9277 8146 9277 8146	2 075137E-01 5 942683E-00 2 372682E-00 6 591361E-00	-0 688 2 439	3,480	8.36	
11 12 1MP01-	9277 8146 9277 8146		2.439 DISK8:[KP0	3.480 GL]		16-DEC-88 16:11 P
11 12 1MPD1- 13 14	9277 8146 9277 8146		2.439 DISK8:[KP0	3.460 OL] -0.739 0.592 0.408	-O 04E	16-DEC-88 16:41 P
11 12 1MPD 1- 13 14 15 16 17	9277.8146 9277.8146 LOAD. YAB; 2 10498.2463 11646.3505 11646.3505	-7.880291E-01 1.240078E-00 1.366673E-00	DISK6: [KP0 -2.439 -2.426 0.574 1.092 -0.867	3.460 OL] -0.739 0.592 0.498 -0.621	-0.046 -0.158 -1.077 -0.462 -8.083	16-DEC-88 16:11 P
11 12 1MPO1- 13 14 15 16 17 18	9277, 8146 9277, 8146 9277, 8146 10498, 2463 10498, 2463 11646, 3505 11846, 3505 13167, 1228 13167, 1228 13167, 1228	-7.880291E-01 1.240678E-00 1.366573E-00 -1.0118573E-00 -3.329928E-00 5.500377E-01 5.728184E-00	DISK6: [KP0 -2.439 -2.426 0.574 1.092 -0.867	3.460 OL] -0.739 0.592 0.498 -0.621 1.083 0.161 -2.402	-0.046 -0.158 -1.077 -0.462 -8.083	16-DEC-88 16:11 P
11 12 1MPD 1- 13 14 15 16 17 18 19 20 21	9277, 8146 9277, 8146 9277, 8146 10498, 2463 10498, 2463 11646, 3505 11848, 3505 13167, 1228 13167, 1228 13714, 6429 13714, 6429	-7.880281E-01 1.24078E-00 1.366573E-00 -1.011851E-00 -3.32928E-00 5.500377E-01 5.758164E-00 6.533043E+00	-0.688 2.439 DISK8: [KP0 -2.426 0.574 1.092 -0.657 0.140 -0.234 -1.236 -2.476	0L] -0.739 0.592 0.692 -0.621 1.083 0.181 -2.402	-0 046 -0 150 -1 077 -0 462 -6 063 -1 853 -3 254 -5 122	16-DEC-88 16 11 P
11 12 1MPD 1- 13 14 15 16 17 18 19 20 21	9277, 8146 9277, 8146 9277, 8146 10498, 2463 10498, 2463 11646, 3505 11848, 3505 13167, 1228 13167, 1228 13714, 6429 13714, 6429	-7.880281E-01 1.24078E-00 1.366573E-00 -1.011851E-00 -3.32928E-00 5.500377E-01 5.758164E-00 6.533043E+00	-0.688 2.439 DISK6: [KP0 -2.426 0.574 1.092 -0.857 0.140 -0.234 -1.236 -2.476 1.509 -0.006 -0.014	0L] -0.739 0.592 0.498 -0.621 1.083 0.161 -2.402 1.176 0.001 0.017	-0.046 -0.158 -1.077 -0.462 -6.063 -1.853 -3.254 -5.122 -4.761 -0.266	16-DEC-88 16:11 P
11 12 1MPD 1- 13 14 15 16 17 18 19 20 21	10498 2463 10498 2463 10498 2463 11646 3505 1367 1228 13714 6429	-7.880281E-01 1.24078E-00 1.366573E-00 -1.011851E-00 -3.32928E-00 5.500377E-01 5.758164E-00 6.533043E+00	-0.688 2.439 515K8: [KP0 -2.428 0.574 1.092 -0.857 0.140 -0.234 -1.235 -2.476 1.509 -0.006	3.460 -0.739 0.592 0.498 -0.621 1.083 0.161 -2.402 1.176 0.091 0.017 0.014 -0.031 -0.431 -0.431	-0.046 -0.158 -1.077 -0.462 -6.063 -1.853 -3.254 -5.122 -4.761 -0.266	16-DEC-88 16:11 P
11 12 1MPD 1- 13 14 15 16 17 18 19 20 21	9277, 8146 9277, 8146 9277, 8146 10498, 2463 10498, 2463 11646, 3505 11646, 3505 13167, 1228 13174, 6429 13965, 9388 15803, 7063 17948, 7043 17743, 4712	-7.880221E-01 1.240078E-00 -1.366573E-00 -1.31651E-00 -3.329226E-00 6.530043E-00 9.135095E-00 -4.4123E-01 1.215078E-00 -1.32226E-00 -2.32226E-00	-0.688 2.439 515K8: [KP0 -2.428 0.574 1.092 -0.857 0.140 -0.234 -1.235 -2.476 1.509 -0.006	3.460 -0.739 0.592 0.498 -0.621 1.083 0.161 -2.402 1.176 0.091 0.017 0.014 -0.031 -0.431 -0.431	-0 046 -0 150 -1 077 -0 462 -6 063 -1 853 -3 254 -5 122 -4 761 -0 266 -0 015 0 745 0 930 -0 347 -3 000 0 817 -0 527	16-DEC-88 16:11 P
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* IMPD1-LOAD YAB;2	DISKE: [KPOOL]	18-DEC-88 18:11 P	Page
82 24897.8459 -3.726195E+00 63 24811.9906 2.958209E+00	••		
63 24911 9905 2 9562095+00 64 24911 9905 5 1535415+00 65 26014 3613 -1.2112096+00 66 26014 3613 -4.7748315+00 67 26228 1127 -1.8673465+00 68 26228 1127 2 372115+00	2.669 0.847 -0.333 0.156	6 -1.322 2 0.877 7 0.336 6 0.679	1
67 28229 1127 -1 6873465+00 68 28229 1127 2 3728176+00	0.533 0.061 0.308 -0.584	-0.22	1
89 26369 5374 -1 1848 11 6+00 70 26369 5374 -2 0866 12 6+00 71 26737 3662 -5 8867 61 6+00 72 26737 3662 -3 278372 6+00	-0.049 1.986 -0.245 1.011 2.859 0.847 -0.333 0.155 -0.507 -1.199 0.833 0.968 0.308 -0.584 0.473 0.288 1.306 -1.071 -7.751 1.537 -0.049 4.330 -0.176 0.830 -0.304 -0.028 0.225 -0.073	-0.519 1 0.808 7 0.783	Ì
72 26737.9862 -3.278372E+00 73 27154.7875 -3.656960E+00 74 27154.7875 -4.059359E+00	-0.049 4.330 -0.176 0.630 -0.304 -0.666	0 -0.689 0 -2.094 1 0.022	† :
75 27736 6385 -3 8907088-01 76 27736 6385 -4 0574546-02 77 28017 9851 -3 4601288-01	-0.049 1.966 -0.245 1.012 2.658 0.847 -0.323 0.156 -0.507 -1.196 0.633 0.061 0.473 0.286 1.306 -1.077 -7.781 1.537 -0.049 4.330 -0.176 0.830 -0.304 -0.029 0.225 -0.077 -0.049 -0.265 -0.304 -0.225 -0.304 -0.225 -0.304 -0.225 -0.304 -0.225 -0.304 -0.225 -0.304 -0.225 -0.304 -0.225 -0.304 -0.225 -0.304 -0.225 -0.304 -0.225 -0.304 -0.225 -0.304 -0.225 -0.304 -0.225	0 . 579 - 1. 695 1 - 0. 244 - 0. 815 - 0. 819 7 - 0. 783 0 - 0. 860 0 - 2. 084 0 - 2. 084 0 - 0. 022 - 0. 063 - 0. 095 4 - 0. 003 - 0. 095	-
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97 31099 4621 -6 623699E-01 98 31099 4621 -2 465287E+00 99 31271 7721 -3 088793E+00 100 31271 7721 -1 516970E+00	0 180 -0 020 -0 737 0 802 0 0777 0 325 0 083 0 124	0.922	1
100 31271 7721 -1 5189705+00 101 31825 2777 -2 0573725+00 102 31825 2780 -1 7081965+00 103 31971 4463 1,2153655+00		0 356 0 0 093 -0 591 -0 498	
101 31826 2777 - 2 0573728+00 101 31826 2777 - 2 0573728+00 102 31828 2780 - 1 708198E+00 103 31971 4483 1 215355E+00 104 31971 4474 - 3 813168E+00 105 43040 5769 - 1 1220678+01 106 43040 6769 2 87798E+01 107 44806 0073 - 1 673507E+01	0 823 -0 948 0 222 -0 788 0 031 -0 788 0 590 0 836	-0.498 2 -0.098 5 0.445	7
104 31871 8474 -3 813168E+00 105 43040 5569 -1 122067E+01 106 43040 6765 -2 9798E+01 107 44806 0073 -1 673507E+01	0 590 -0 6836 -0 447 -1 302 -1 596 -6 881 -0 888 -0 404 1 735 -0 881 9 992 -9 992	0 0 13 -5 488 - 0 399	
97 31099 4821 -5 623699E-01 98 31089 4821 -2 465287E+00 98 31271 7721 -3 085782E+00 100 31271 7721 -1 516970E+00 101 31825 2777 -2 067372E+00 102 31825 2780 -1 708186E+00 103 31971 4463 1 216365E+00 104 31971 4474 -3 813188E+00 105 43040 5869 -1 122067E+01 106 43040 6765 2 97798E6+01 107 44806 0073 -1 673507E+01 108 44806 1258 2 5597314E+01 109 45788 6728 -9 010080E-02 110 45788 7998 2 811090E+01	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.399 1 -0.374 0.004 0.081	
	- 1		
:			<u> </u>
= 2MPD1-LOAD.TAB;2	DISKS (KPOOL)		
· ·	•	· · · · · · · · · · · · · · · · · · ·	
111 47748.8987 -1.836761E+01 112 47749.2386 -2.619483E+01 Sum of Modal Physical Loads 0 Resultant of Applied Loads	-2.572 4.367 7.114 4.361 38.102 26.212 38.885 21.55	7 0.50g 1 -0.757	l g
111 47748.8987 -1.836761E+01 112 47749.2386 -2.619483E+01 Sum of Model Physical Loads 0 Resultant of Applied Load Unscaled Applied Load 1Load Case (34) Load Model Participe	-2.672 4.367 7.114 4.361 38.102 26.212 38.685 21.155 3.8686 21.15466-01	7 0.508 1 -0.757 2 -20.293 -17.823 1 -1.782285-01	b g«
111 47748.8987 -1.836761E+01 112 47749.2386 -2.819483E+01 Sum of Modal Physical Loads 0 Resultant of Applied Load Inscaled Applied Load Itoacaled Applied Load Itoacaled Applied Load Itoacaled Applied Load Mode Participation Itoacaled Applied Load	-2.572 4.367 7.114 4.361 38.102 26.212 38.685 21.155 3.86851E-01 2.11545E-01 tion factors	7 0.508 1 -0.757 2 -20.293 5 -1.7.823 1 -1.78228E-01 th Node/ 7 Global 2	l agi
111 47748.8987 -1.836761E+01 112 47749.2386 -2.619483E+01 Sum of Modal Physical Loads Resultant of Applied Load (Load Case (34) Load Modal Participe Mode Participation Number Frequency Factor	-2.572 4.367 7.114 4.361 38.102 26.212 38.685 21.155 3.86816-01 2.11565-01 tion Factors Physical Lead in Eac Global X Global X Direction X 1.05-02 X 1.05-02	7 0.508 -0.757 2 -20.293 -17.823 1 -1.78228F-01 ch Mode/ (
111 47748.8987 -1.836761E+01 112 47749.2386 -2.619483E+01 Sum of Modal Physical Loads Resultant of Applied Load (Load Case (34) Load Modal Participe Mode Participation Number Frequency Factor	-2.572 4.367 7.114 4.361 38.102 26.212 38.685 21.155 3.86816-01 2.11565-01 tion Factors Physical Lead in Eac Global X Global X Direction X 1.05-02 X 1.05-02	7 0.508 -0.757 2 -20.293 -17.823 1 -1.78228F-01 ch Mode/ (
111 47748.8987 -1.836761E+01 112 47749.2386 -2.619483E+01 Sum of Modal Physical Loads Resultant of Applied Load (Load Case (34) Load Modal Participe Mode Participation Number Frequency Factor	-2.572 4.367 7.114 4.351 38.102 26.212 38.685 21.155 3.86851E-01 2.1155E-01 tion factors Global X Global Y Global X Global X Global X Global X Global Y Global Y Global Y Global Y Global X 1.0E+02 X 1.0E+02 -2.827 -0.561 14.106 -39.667 16.791 3.195 0.220 -0.733 0.404 0.566 -3.447 6.313	7 0.508 -0.757 2 -20.293 -17.823 1 -1.78228F-01 ch Mode/ (h g:
111 47748.8967 -1.636761E+01 112 47749.2386 -2.619483E+01 Sum of Model Physical Loads Resultant of Applied Load [Load Case (34) Load Model Participe of Applied Load Mode Participation Number Frequency Factor	-2 572 4.367 -7.114 4.361 38.102 26.212 38.805 21.155 3.88815-01 2.115455-01 tion Factors	7 0.508 -0.757 2 -20.293 -17.823 1 -1.78228F-01 ch Mode/ (
111 47748.8967 -1.636761E+01 112 47749.2386 -2.619483E+01 Sum of Modal Physical Loads Resultant of Applied Load Load Load Load Load Case (34) Load Modal Participe Mode Participation Number Frequency Factor	-2 572 4.367 -7.114 4.361 38.102 26.212 38.805 21.155 3.88815-01 2.115455-01 tion Factors	7 0.508 -0.757 2 -20.293 -17.823 1 -1.78228F-01 ch Mode/ (99
111 47748.8967 -1.636761E+01 112 47749.2386 -2.619483E+01 Sum of Modal Physical Loads Resultant of Applied Load ILoad Case (34) Load Modal Participe Mode Participation Mumber Frequency Factor	-2 572 4.367 -7.114 4.361 38.102 26.212 38.805 21.155 3.88815-01 2.115455-01 tion Factors	7 0.508 -0.757 2 -20.293 -17.823 1 -1.78228F-01 ch Mode/ (5
111 47748.8967 -1.636761E+01 112 47749.2386 -2.619483E+01 Sum of Modal Physical Loads Resultant of Applied Load Load Load Load Load Case (34) Load Modal Participe Mode Participation Number Frequency Factor	-2 572 4.367 -7.114 4.361 38.102 26.212 38.805 21.155 3.88815-01 2.115455-01 tion Factors	7 0.508 -0.757 2 -20.293 -17.823 1 -1.78228F-01 ch Mode/ (
111 47748.8967 -1.636761E+01 112 47749.2386 -2.619483E+01 Sum of Modal Physical Loads Resultant of Applied Load Load Load Load Load Case (34) Load Modal Participe Mode Participation Number Frequency Factor	-2 572 4.367 -7.114 4.361 38.102 26.212 38.805 21.155 3.88815-01 2.115455-01 tion Factors	7 0.508 -0.757 2 -20.293 -17.823 1 -1.78228F-01 ch Mode/ (5
111 47748.8987 -1.836761E+01 112 47749.2386 -2.619483E+01 Sum of Modal Physical Loads Resultant of Applied Load (Load Case (34) Load Modal Participe Mode Participation Number Frequency Factor	-2 572 4.367 -7.114 4.361 38.102 26.212 38.805 21.155 3.88815-01 2.115455-01 tion Factors	7 0.508 -0.757 2 -20.293 -17.823 1 -1.78228F-01 ch Mode/ (
111 47748.8987 -1.836761E+01 112 47749.2386 -2.619483E+01 Sum of Modal Physical Loads Resultant of Applied Load (Load Case (34) Load Modal Participe Mode Participation Number Frequency Factor	-2.572 4.367 -7.114 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.15 3.15 3.15 3.15 3.15 3.15 3.15	7	
111 47748.8967 -1.636761E+01 112 47749.2386 -2.619483E+01 Sum of Modal Physical Loads Resultant of Applied Load Load Load Load Load Case (34) Load Modal Participe Mode Participation Number Frequency Factor	-2.572 4.367 -7.114 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.15 3.15 3.15 3.15 3.15 3.15 3.15	7	
111 47748.8967 -1.636761E+01 112 47749.2386 -2.619483E+01 Sum of Model Physical Loads Resultant of Applied Load [Load Case (34) Load Model Participe of Applied Load Mode Participation Number Frequency Factor	-2.572 4.367 -7.114 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.15 3.15 3.15 3.15 3.15 3.15 3.15	7	
111 47748.8987 -1.836761E+01 112 47749.2386 -2.619483E+01 Sum of Modal Physical Loads Resultant of Applied Load (Load Case (34) Load Modal Participe Mode Participation Number Frequency Factor	-2.572 4.367 -7.114 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.15 3.15 3.15 3.15 3.15 3.15 3.15	7	
111 47748.8967 -1.636761E+01 112 47749.2386 -2.619483E+01 Sum of Model Physical Loads Resultant of Applied Load [Load Case (34) Load Model Participe of Applied Load Mode Participation Number Frequency Factor	-2.572 4.367 -7.114 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.14 4.351 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.565 -1.15 3.15 3.15 3.15 3.15 3.15 3.15 3.15	7	
111 47748 8987 -1 836761E+01 112 47749 2386 -2 819483E+01 Sum of Model Physical Loads Resultant of Applied Load ILoad Case (34) Load Model Participe Mode Participation 1 2108 7881 -3 877495E+00 2 2108 7881 -3 877495E+00 3 4206 7368 5 157342E+00 4 4206 7368 5 157342E+00 5 6703 5061 -3 06896E+00 6 6703 5061 -3 362697E+00 7 7745 5701 -3 362697E+00 8 7745 5701 -3 362697E+00 9 9115 8478 -3 85978E+00 10 9115 8478 -3 85978E+00 11 9277 8146 -5 28163E+00 12 9277 8146 -5 28163E+00 13 10498 2463 2 88647E+01 14 10498 2463 2 88647E+01 15 11646 3506 -8 446748E-01 16 11846 3506 -8 446748E-01 17 13167 1228 -2 424200E+00 18 13167 1228 -2 424200E+00 19 15714 6429 -6 16887E+00 20 13714 6429 -6 16887E+00 20 13714 6429 -6 16887E+00 20 13714 6429 -6 16887E+00	-2.572 4.367 -7.114 4.361 -38.102 26.212 -38.685 21.155 -3.8685 15-01 2.11545-01 -0.007	7	

			DISK8: [KPC	•			18-DEC-88 18 11
44 45 46	20804 .2238 21137 .2761 21137 .2761 21403 .3027 21403 .3027	-9.845896E-01 2.547863E+00	-0.013 -0.002 -3.096	0.004 -0.043 -1.426 -1.328 -1.512	-0.125 1.115		12 222 22 10 17
47	21403 3027 21403 3027	-4.8129462+00 -4.8010275+00 4.9988285+00	-3.096 -1.016	-1.426	-2.163		
48 ad Car	21403,3027	4.998828E+00 Modal Participe	2.242	-1.512	-2.165 -0.727	• * * * * * * * * * * * * * * * * * * *	
	LILL CONTRACTOR	PACTICIPATION	Physical				
Mode		Participation	Global X Direction X 1 0E+02	Load in Each I Global Y Direction X 1.0E+02	Globel 2		
Boer	Frequency	Factor	X 1 0E+02	X 1.0E+02	Blobel 2 Direction X 1.0E+02		
49 50	22128 . 6713	-1.0725555+00					
E 1	22128 6713 22128 6713 22657 8837 22657 8837	-1.072555E+00 -1.721017E+00 -1.358727E+00	-1.004 -0.774 -0.721	0.398 -1.202	1 024 -0 758 -0 086		
52	22667 8837	-1 3587278+00 1 3491565+00 -4 3176925+00		-1.202 0.092 -0.488	-0.086		
52 53 54 55		-4 3176925+00 -3 9879105+00	-4.279	-0.488 0.438	0.094 1.943	-	
- 55	22966 9970 23165 8038	3.855083E+00	-1.031 2.533	3.246	-2.326 -3.304		
56 57 58 59	22966 9970 23165 8038 23165 8038 23670 5022 24230 3622 24230 3522	-3 727358E+00	1.170		3.704		
58	23670 5022	-3.518377E-01 -2.286339E+00 -2.228878E-01 -2.523599E+00	0.080 0.300	-0.013	2.106 -0.577		
<u>59</u>	24230 3522 24230 3522	2 228876E-01	- <u>8 88</u> 0	-1.107 0.070	2.128		
81	24697 6459 24697 6459 24697 6459 24911 9905		-1 100	0.868	-O. BAS		
62 63	24697.6459 24011.000	1 844484E+00 -7 374700E-01	0.024	-0. 973	-0.237 0.654 -0.219		
64	- 225 H : 5502	-5 E65/65E-XX	0.024 0.061 -1.343 -0.547 0.422 -0.416 0.566 -3.750	-0.593 -0.252 -0.425 0.256 0.998 -0.040 -1.071 -2.273 -1.111 -0.527	0.654 -0.219		
64 65 66 67	26014.3613	-1.985441E+00 3.976275E+00	-0.547	0.256	-0 170 0 948		** ***********************************
_ <u>ĕ</u> ž	20229 1127	1 098449E+00	0.422 -0.416	0.998 ~0.040	1,412		
58 69	26014 3613 26014 3613 26229 1127 26229 1127 26369 5374	-1.985441E+00 3.976275E+00 1.096449E+00 4.353686E+00 9.402821E+00	0.566	-1.671	-1.641 -1.641		····
69 70	20:30 H 5:1/4	-2 787911E+00	-3.750 1.366	-2.273	4 122		
$\frac{71}{72}$	26737 9662 26737 9682	-2.787911E+00 2.019932E+00 2.560883E+00	1.366 2.664 0.039		0.942 -0.269 0.523		
71 72 73 74	27154 7875	-3 3KPPN4E-D1	-0.016	-3.383 0.068	0.523		
74 75	27154 7875 27154 7875 27736 6385	2 E40044F.66	-0.016 0.265 -1.080 -0.169	0.026	-0.194 -0.019 -0.279		
75	27736 6385 28017 9851	1 869774E+00 -3 259225E+00 -2 627007E+00 -8 563761E-01 1 145321E+00	-1.090 -0 169	0.373	9.285		
77 78	28017 9851 28017 9851	-2.627007E+00	-3.558 1.159 -2.027 -0.840	- 1 903	-0. 64 7	•	
7 8	28237 2556	1.145321E+00	-2.027	-1.223 0.842	-0.124		
0 4	28237 . 2556 28828 . 7957	-2.362957E+00 2.849375E+00	-0.840	-1.903 -1.223 -0.843 -3.283 -3.283	-0.647 -0.124 -0.267 -0.182		
82	72272 7CE7	4 017645E+00	1.421	0.594 1.884	-0.661		
83 84 85	28828 7957 29132 8701 29132 8701 29132 8701 29427 9851	2.849375E+00 4.017645E+00 2.573097E+00 -1.821967E+00	-0.506	O.918	-0.661 1.236 0.368		
₽ D	49-4/.0001	1.18979UE-U1	0.746	0 149	0.217		
86 87	29427 9851 29761 8522	-1.114310E+00	-0.059	-ŏ 4 <u>83</u>	0.280		
17-	2026 (6527	1 178921E+00 -3.666497E+00 9 191436E-02	2 304	-0 044 -0 483 -0 974 -0 833 0 023	9 175		
89 90	29994 8339 29994 8339	9 191435E-02 -9 243922E-01	Ŏ. <u>Ŏ</u> Ŏ	Ŏ 023	0.083		
91	29994 8339 29994 8339 30107 3079 30107 3079	- 2 . 693097F+00	-0.840 1 125 -1.421 -0.506 0.748 0.069 -0.306 2.306 2.306 0.009 0.553 1.854		0.368 0.217 -0.067 0.280 0.175 -1.683 0.066 -0.033 0.380		•
42	30107.3079	3.532896E+00	-1.436	0 292 3 040	-0.223		

					1 648 848 3	1000
16-DEC-88 16:11		XXL]	DISKE: KP		-LOAD . YAB; 2	
19 525 60 10.77	0.851 -0.481	0.533	-1.604 -3.016	3 236757E+00 -1 828469E+00	30492 9954 30492 9954	
	0 037 2.029	0.533 -0.991 4.005	0.882	1.899035E+00 5.445172E+00	30861 7471 30861 7471	96
			tion Factors	Model Participe	se (34) Load	eo Ce
	Globe 1 7	Blobe V	Global X	Participation	_	Mode
	Direction X 1.0E+02	Direction X 1.06+02	Direction X-1.0E+02	Factor	Frequency	mber
	0.013	-0.009	0.071	-2.508604E-01 3.329949E+00	31099 4821 31099 4821 31271 7721 31271 7721	97 98
	-1.045 -0.033 -0.104	-0.814 -0.030	0.996 -0.007 -0.083	3.329949E+00 2.887824E-01 1.70001E+00 7.925891E-01	31271 7721 31271 7721	100 100
	0 228 0 025	-0.030 -0.139 0.365 0.039	-0.317 -0.011	7.925891E-01 8.483513E-02	31823.2777	102
	-0.022	-0.009 0.299	0.007	7. 92580 (E-01 8. 4835 135-02 2. 6870235-01 -1. 217505-00 4. 108065-00 3. 1801422-01 4. 5612775-00 2. 755.254-01 -1. 331806-01 -2. 2244455-01 1. 2730705-01	31971 4483	104
	-0.142	-0.510 -7.327	0.164 -1.704	4 108065E+00 3 180142E+01	43040 5569 43040 6765	106
	-0.334 -5.861 -0.109	0.110 -0.901	9.234	4.5612775+00 2.7552545+01	44806 0073	107 108
	-0.383 0.663	1.379	0.252	-1 3315065+01 -2 2244455+01	45788 6728 45788 7998	100
	0 .663 -0 .064 -1 .026 0 .368	1.379 0.362 -8.823 -2.116	5.196 -3.458	3 304976 +01	47748 8967 47749 2386	1112
				rsical Loads	of Mode 1 Phy	Sum
	-20.734 -17.825	-7.582 -1.022	45.063 44.080 -4.40802E-01	olied Load	of Modal Phy ultant of App caled App	Res
	1.78248E-01	-1.02203E-02	T. STEER SECTION			
		,				
	<u> </u>					
		B				

IMPO2-L	MODAL TRIB	PATION VENTOR	DISK6:[KPt	-		16-DEC-88	
	2ND DES	CATION VECTORS - ENERATE DOUBLE M	LOAD PARTICIPAT OEL (SINE AND C	IUN FACTORS			
oed Case	(27) Loed	Model Participal -	tion Factors Physical Global X	Load in Each N	lode/		
Mode	Frequency	Participation Factor	Direction X 1.0E+02	Direction X 1.0E+02	Direction X 1.0E+02		
1	2002 1226						
3	2882 1229 5389 7988 5389 7998	5 2340805 -01 3 605 18 +00 -7 946791 -02 -4 646900 +00 4 384120 -01	-0 103 0 603 0 026 0 306	-0 133 -0 006	-2.586 12.365 0.198		
- 5	7874 7190	-4 6469005+00 4 3661205-01 6 0806105+00	0.412	0.204 2.196	-3 332		
7	7634 7190 9764 7032 9764 7032	1 0222675+00 6 7684765-01 6 0825635-01	-30 012 -0 519 2 096	0 204 2 196 0 485 3 366 0 306	0 243 -14 391 -0 606 -2 145		
10	10518: \$782 10618: \$782	-6.4\$0209E+00	8 106	-0 130 1 738	-2.145 -0.611 -1.928		
11	11036. 633 6 11036. 633 5	2.302801E+00 -3.259992E+00	-2.408 -0.817	-2.913 -0.445	2.488 2.244 -8.310		
15	11919 9365 11919 9365 12083 1289 12083 1289	-3 398991E+00 -4 430680E-01 7 337700E-01	-0.285 -3.479 1.039	0.898 9.461 -0.977	0.002		
16	12083 1289 12993 4264	7 337700E-01 -2 612627E+00	0.534	0.593 -0.674	0.119 0.316 -1.868		
19	12093 4254 12093 4254 13376 1448	-2.812827E+00 7.413596E-00 -4.519532E-01 5.532E-00 4.505434E-01 2.057073E-00 -9.907390E-01	0.356 0.999 -0.160	-3.527 -1.598 1.717	-2.177		
20 21 22 23	13376 1488 14957 0548 14957 0548	6.532182E+00 4.505434E-01	5.598	-Q.581	0.023 4.525 -0.082		
24	15395 3482 15395 3482	-9.907390E-01 -3.089293E+00	-0 390 -0 343 -0 223 -1 569 -0 010	2 472 -0.811	0 143 -1 842 4 626 0 007		
26 26 27	18348 8113	-3.089293E+00 1.361200E-01 4.337892E+00	~9.508	-2.563 0.243 -2.738	2.007 2.007		
28	17880 . 1679	-1.843843E+00 1.185282E+00 5.978946E+00 -2.25871E+00 4.558371E+00 -1.178468E+01	-0.036 -0.109	0.272 1.600	2.990 -0.663 -0.669		
30 31	18685 9195 18685 9195 18776 9321	-2.258871E+00 4.558371E+00	0.253 -0.768 0.600	-0 208 -0 340 1 208	-3 318 -0 531 2 033		
32 33	18776 9321 18776 9321 19240 4923 19240 4923	-1.178468E+01 -1.961936E+00	-1.465	1.208 1.214 0.474	-2.186		
34 36 36	19240 .4923 19746 .9190	-1 961936E+00 2 526318E+00 -2 074466E+00 -5 291622E-01	-2 160 -6 632	0.474 3.427 -1.204 0.392 0.783 2.020 -0.564 3.050 -0.500	0.856 1.082 -0.096		
37	19746 9190 19746 9190 20485 2293 20486 2293 20700 9547	-5.291522E-01 -1.719619E+00 2.712132E+00 1.384066E+00	-6 632 -0 664 -2 499 -0 903	0.392 0.783	0.083 1.099 2.191		
39 40	20700 954 7	"D.BBEZ38E+UU	b 226	-0 584 3 060	~0.268		
42	20937 8322	-3 14RB17F400	-0.623	-0.500 0.004	8.441 0.713 -1.567 -1.090		
44	21107.7208	-2.867908E+00 -2.173904E+00 3.136009E+00 -1.221079E+00 3.548818E+00	-2.397	-0 237 -1 852	-1.090 -0.242		
46							
	<u> </u>	3.641818E788	1.072	1 819	-0.242 -0.620 -1.877		
?MP02-L	0AD TAB; 2		1.674 DISK8: [KP0 -0.632	OL]		16-DEC-88	16:
11 2 02-U	0AD TAB; 2	-6.828301E-01 4.170148E-00 Hoda I Part icinat	DISK8: [KP0 -0.832 -2.161	OL] -0.180 2.008	1.126	18-DEC-88	16:
IMPD2-Li 47 ad Case	0AD. YAB; 2 22013 e056 22013 e056 (27) Load	-6.828301E-01 4.170148E-00 Hoda I Part icinat	DISK8: [KP0 -0.832 -2.161	OL] -0.180 2.008	1.126	16-DEC-88	16:
1MPD2-Li 47 42 ad Case Mode	0AD. YAB; 2 22013 e056 22013 e056 (27) Load	-6.828301E-01 4.170148E+00 Hodal Participation Participation Factor	DISK8: [KP0 -0.632 -2.161 :ion Factors 	OL] -0.180 2.008 Load in Each M Globel V Direction X 1.06+02	1.126 -1.003 ode/ Global 2 Birection X 1.06+02	18-DEC-88	16:
1MPD2-Li 47 42 ad Case Mode	0AD. YAB; 2 22013 e056 22013 e056 (27) Load	-6.828301E-01 4.170148E+00 Hodel Participation Factor -2.934010E+00	DISK8: [KP0 -0.632 -161 ion Factors 	0L] -0.160 -2.008 Loed in Each M Globel Y Direction X 1.08+02	1 126 -1 003 ods/ Globs 1 Z Direction X 1.06-82 -0.708	18-DEC-88	16:
1MPD2-Li 47 42 ad Case Mode	0AD. YAB; 2 22013 e056 22013 e056 (27) Load	-6.828301E-01 4.170148E+00 Hodel Participation Factor -2.934010E+00	DISK8: [KP0 -0.632 -161 ion Factors 	0L] -0.160 -2.008 Loed in Each M Globel Y Direction X 1.08+02	1 126 -1 003 ods/ Globs 1 Z Direction X 1.06-82 -0.708	16-DEC-88	16:
1MPD2-Li 47 42 ad Case Mode	0AD. YAB; 2 22013 e056 22013 e056 (27) Load	-6.828301E-01 4.170148E+00 Hodel Participation Factor -2.934010E+00	DISK8: [KP0 -0.632 -161 ion Factors 	0L] -0.160 -2.008 Loed in Each M Globel Y Direction X 1.08+02	1 126 -1 003 ods/ Globs 1 Z Direction X 1.06-82 -0.708	16-DEC-8E	16:
1MPD2-Li 47 42 ad Case Mode	0AD. YAB; 2 22013 e056 22013 e056 (27) Load	-6.828301E-01 4.170148E+00 Hodel Participation Factor -2.934010E+00	DISK8: [KP0 -0.632 -161 ion Factors 	0L] -0.160 -2.008 Loed in Each M Globel Y Direction X 1.08+02	1 126 -1 003 ods/ Globs 1 Z Direction X 1.06-82 -0.708	18-DEC-88	16:
1MPD2-Li 47 42 ad Case Mode	0AD. YAB; 2 22013 e056 22013 e056 (27) Load	-6.828301E-01 4.170148E+00 Hodel Participation Factor -2.934010E+00	DISK8: [KP0 -0.632 -161 ion Factors 	0L] -0.160 -2.008 Loed in Each M Globel Y Direction X 1.08+02	1 126 -1 003 ods/ Globs 1 Z Direction X 1.06-82 -0.708	18-DEC-88	16:
1MPD2-Li 47 42 ad Case Mode	0AD. YAB; 2 22013 e056 22013 e056 (27) Load	-6.828301E-01 4.170148E+00 Hodel Participation Factor -2.934010E+00	DISK8: [KP0 -0.632 -161 ion Factors 	0L] -0.160 -2.008 Loed in Each M Globel Y Direction X 1.08+02	1 126 -1 003 ods/ Globs 1 Z Direction X 1.06-82 -0.708	18-DEC-88	16:
1MPD2-Li 47 42 ad Case Mode	0AD. YAB; 2 22013 e056 22013 e056 (27) Load	-6.828301E-01 4.170148E+00 Hodel Participation Factor -2.934010E+00	DISK8: [KP0 -0.632 -161 ion Factors 	0L] -0.160 -2.008 Loed in Each M Globel Y Direction X 1.08+02	1 126 -1 003 ods/ Globs 1 Z Direction X 1.06-82 -0.708	18-DEC-88	16:
1MPD2-Li 47 42 ad Case Mode	0AD. YAB; 2 22013 e056 22013 e056 (27) Load	-6.828301E-01 4.170148E+00 Hodel Participation Factor -2.934010E+00	DISK8: [KP0 -0.632 -161 ion Factors 	0L] -0.160 -2.008 Loed in Each M Globel Y Direction X 1.08+02	1 126 -1 003 0de -1 -/ 2 Gloset 100 X 1 06-02 -0 708 -1 251 -0 306 -0 776 -0 776 -0 776 -0 776 -0 123 -0 506 -1 413 -0 226 -1 413 -0 226 -1 413 -0 226	16-LEC-88	16:
1MPD2-Li 47 42 ad Case Mode	0AD. YAB; 2 22013 e056 22013 e056 (27) Load	-6.828301E-01 4.170148E+00 Hodel Participation Factor -2.934010E+00	DISK8: [KP0 -0.632 -161 ion Factors 	0L] -0.160 -2.008 Loed in Each M Globel Y Direction X 1.08+02	1 126 -1 003 0de -1 -/ 2 Gloset 100 X 1 06-02 -0 708 -1 251 -0 306 -0 776 -0 776 -0 776 -0 776 -0 123 -0 506 -1 413 -0 226 -1 413 -0 226 -1 413 -0 226	18-DEC-88	16:
47 48 and Case Mode nibor 40 51 52 53 56 56 57 58 68 69 70 71	0AD TAB; 2 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 23063 2813 23566 0039 24016 6034 24016 6034 24611 1870 24778 6283 24778 6283 25126 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280	-6.828301E-01 4.170148E+00 Hodel Participation Factor -2.934010E+00	DISK8: [KP0 -0.632 -161 ion Factors 	0L] -0.160 -2.008 Loed in Each M Globel Y Direction X 1.08+02	1 126 -1 003 0de -1 -/ 2 Gloset 100 X 1 06-02 -0 708 -1 251 -0 306 -0 776 -0 776 -0 776 -0 776 -0 123 -0 506 -1 413 -0 226 -1 413 -0 226 -1 413 -0 226	18-DEC-88	16:
###02-Li 47 48 ad Case Mode niber 48 50 51 52 53 56 57 58 68 60 61 61 62 63 64 65 67 68 70	0AD TAB; 2 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 23063 2813 23566 0039 24016 6034 24016 6034 24611 1870 24778 6283 24778 6283 25126 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280	-6.828301E-01 4.170148E+00 Hodel Participation Factor -2.934010E+00	DISK8: [KP0 -0.632 -161 ion Factors 	OL] -0.180 2.008 Load in Each M Global 1 0.180 2.008 1.908 -0.404 -0.545 -0.404 -0.545 -0.416 -0.010 1.180 -0.010 1.180 -0.010 1.180 -0.022 -2.719 -0.395 -0.395 -0.395 -0.395 -0.395 -0.395 -0.395 -0.395 -0.395	1.126 -1.003 ode -1.26 -1.003 Globa 1 2 0.106-02 -0.904 -3.656 -1.261 -0.902 -0.903 -0.805 -0.776 -0.263 -0.805 -0.776 -0.263 -0.805 -0.776 -0.263 -0.805 -0.776 -0.263 -0.805	18-DEC-88	16:
###02-Li 47 48 ad Case Mode niber 48 50 51 52 53 56 57 58 68 60 61 61 62 63 64 65 67 68 70	0AD TAB; 2 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 23063 2813 23566 0039 24016 6034 24016 6034 24611 1870 24778 6283 24778 6283 25126 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280	-6.828301E-01 4.170148E+00 Hodel Participat -Participation Factor -2.934010E+00	DISK8: [KP0 -0.632 -161 ion Factors 	OL] -0.180 2.008 Load in Each M Global 1 0.180 2.008 1.908 -0.404 -0.545 -0.404 -0.545 -0.416 -0.010 1.180 -0.010 1.180 -0.010 1.180 -0.022 -2.719 -0.395 -0.395 -0.395 -0.395 -0.395 -0.395 -0.395 -0.395 -0.395	1.126 -1.003 ode -1.26 -1.003 Globa 1 2 0.106-02 -0.904 -3.656 -1.261 -0.902 -0.903 -0.805 -0.776 -0.263 -0.805 -0.776 -0.263 -0.805 -0.776 -0.263 -0.805 -0.776 -0.263 -0.805	16-02:0-88	16:
###02-Li 47 48 ad Case Mode niber 48 50 51 52 53 56 57 58 68 60 61 61 62 63 64 65 67 68 70	0AD TAB; 2 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 23063 2813 23566 0039 24016 6034 24016 6034 24611 1870 24778 6283 24778 6283 25126 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280 26512 3280	-6.828301E-01 4.170148E+00 Hodel Participat -Participation Factor -2.934010E+00	DISK8: [KP0 -0.632 -1.61 -0.632 -1.61 -0.632 -1.61 -0.008 -1.671 -1.314 -0.008 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.325 -1.326 -1.327 -1.326 -1.327 -1.326 -1.327 -1.326 -1.327 -1.326 -1.327 -1.326 -1.327 -1.326 -1.327 -1.326	OL] -0.180 2.008 Load in Each H Globel on X 1.0E+02 1.906 -1.342 -0.404 -0.545 -0.407 -1.123 -0.416 -0.010 1.401 2.180 -0.016 -0.010 -1.180 -0.016 -0.010 -1.180 -0.016	1 126 -1 003 ods -1 2 Globe 1 2 Direction X 1 02 02 -0 904 -3 856 -1 253 -0 962 -0 776 0 253 -0 1 203 -0 1 203 -0 1 203 -0 1 203 -0 252 -1 413 -0 226 -1 413 -0 226 -1 413 -0 226 -1 413 -0 226 -1 413 -1 206	18-0€0-88	16:
###02-Li 47 48 ad Case Mode niber 48 50 51 52 53 56 57 58 68 60 61 61 62 63 64 65 67 68 70	0AD TAB; 2 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 23063 2813 23566 0039 24016 6034 24611 1870 24778 6283 24016 6034 24611 1870 24778 6283 24778 6283 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280	-6.828301E-01 4.170148E+00 Hodel Participat -Participation Factor -2.934010E+00	DISK8: [KP0 -0.632 -1.61 -0.632 -1.61 -0.632 -1.61 -0.008 -1.671 -1.314 -0.008 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.314 -0.132 -1.325 -1.326 -1.327 -1.326 -1.327 -1.326 -1.327 -1.326 -1.327 -1.326 -1.327 -1.326 -1.327 -1.326 -1.327 -1.326	OL] -0.180 2.008 Load in Each H Globel on X 1.0E+02 1.906 -1.342 -0.404 -0.545 -0.407 -1.123 -0.416 -0.010 1.401 2.180 -0.016 -0.010 -1.180 -0.016 -0.010 -1.180 -0.016	1 126 -1 003 ods -1 2 Globe 1 2 Direction X 1 02 02 -0 904 -3 856 -1 253 -0 962 -0 776 0 253 -0 1 203 -0 1 203 -0 1 203 -0 1 203 -0 252 -1 413 -0 226 -1 413 -0 226 -1 413 -0 226 -1 413 -0 226 -1 413 -1 206	18-DEC-88	16:
###02-Li 47 48 40 Case ### 40 E50 51 52 53 56 57 58 69 60 61 62 63 64 65 65 67 68 70	0AD TAB; 2 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 23063 2813 23566 0039 24016 6034 24611 1870 24778 6283 24016 6034 24611 1870 24778 6283 24778 6283 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280	-6.828301E-01 4.170148E+00 Hodel Participat -Participation Factor -2.934010E+00	DISK8: [RP0 -0.832 -2.181: ion Factors -Physical Global X Direction X 1.06+02 -1.871 -1.313 -0.009 -0.746 -0.009 -0.746 -0.009 -1.132 -1.133	OL] -0.180 2.008 Load in Each H Globel on X 1.0E+02 1.906 -1.342 -0.404 -0.545 -0.407 -1.123 -0.416 -0.010 1.401 2.180 -0.016 -0.010 -1.180 -0.016 -0.010 -1.180 -0.016	1 126 -1 003 ode -1 Z Globe 1 Z Globe 1 Z Globe 1 Z -2 3 656 -1 261 -0 962 -0 976 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -1 247 -0 323 -1 247 -0 325 -1 417 -1 206 -1 2	18-DEC-88	16:
###02-Li 47 48 40 Case ### 40 E50 51 52 53 56 57 58 69 60 61 62 63 64 65 65 67 68 70	0AD TAB; 2 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 23063 2813 23566 0039 24016 6034 24611 1870 24778 6283 24016 6034 24611 1870 24778 6283 24778 6283 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280	-6.828301E-01 4.170148E+00 Hodel Participat -Participation Factor -2.934010E+00	DISK8: [RP0 -0.832 -2.181: ion Factors -Physical Global X Direction X 1.06+02 -1.871 -1.313 -0.009 -0.746 -0.009 -0.746 -0.009 -1.132 -1.133	OL] -0.180 2.008 Load in Each H Globel on X 1.0E+02 1.906 -1.342 -0.404 -0.545 -0.407 -1.123 -0.416 -0.010 1.401 2.180 -0.016 -0.010 -1.180 -0.016 -0.010 -1.180 -0.016	1 126 -1 003 ods -1 2 Globe 1 2 Direction X 1.06-02 -0 304 -3 856 -1 253 -0 962 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -1 22	16-02:0-88	16:
###02-Li 47 48 ad Case Mode niber 48 50 51 52 53 56 57 58 68 60 61 61 62 63 64 65 67 68 70	0AD TAB; 2 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 22013 6056 23063 2813 23566 0039 24016 6034 24611 1870 24778 6283 24016 6034 24611 1870 24778 6283 24778 6283 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280 25126 3280	-6.828301E-01 4.170148E+00 Hodel Participat -Participation Factor -2.934010E+00	DISK8: [RP0 -0.832 -2.181: ion Factors -Physical Global X Direction X 1.06+02 -1.871 -1.313 -0.009 -0.746 -0.009 -0.746 -0.009 -1.132 -1.133	OL] -0.180 2.008 Load in Each H Globel on X 1.0E+02 1.906 -1.342 -0.404 -0.545 -0.407 -1.123 -0.416 -0.010 1.401 2.180 -0.016 -0.010 -1.180 -0.016 -0.010 -1.180 -0.016	1 126 -1 003 ods -1 2 Globe 1 2 Direction X 1.06-02 -0 304 -3 856 -1 253 -0 962 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -1 22	18-0€0-88	16:
###02-Li 47 48 ad Case Mode niber 48 50 51 52 53 56 57 58 68 60 61 61 62 63 64 65 67 68 70	0AD. YAB; 2 22013 e056 22013 e056 (27) Load	-6.828301E-01 4.170148E+00 Hodal Participation Factor -2.934010E+00 -1.181671E+00 -2.265840E+00 1.191366E+00 -1.54838E+00 -3.57838E+00 -3.57838E+00 -3.87838E+00 -3.87838E+00 -3.87838E+00 -3.87838E+00 -3.87838E+00 -3.83412E+00 -3.83412E+00 -3.83412E+00 -3.83412E+00 -3.83412E+00 -3.83412E+00 -3.83412E+00 -3.83412E+00 -3.83412E+00 -3.83412E+00 -3.83412E+00 -3.83412E+00 -3.83412E+00 -3.8381E+0	DISKS: [KPO	OL] -0.180 2.008 Load in Each M Globel Y 11-act ion X 1.0±+02 1.302 -0.454 -0.545 0.147 -0.545 0.416 -0.016 -0.016 -0.016 -0.016 -0.022 -2.718 0.016 -0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022 -2.719 0.022	1 126 -1 003 ode -1 Z Globe 1 Z Globe 1 Z Globe 1 Z -2 3 656 -1 261 -0 962 -0 976 -0 776 -0 776 -0 776 -0 776 -0 776 -0 776 -1 247 -0 323 -1 247 -0 325 -1 417 -1 206 -1 2	18-12-0-88	16

}

* IMPO2-LOAD.TAB	• -	DISKE: [KP	900L)			(B. RE)	C-88 16 12
96 31571,9 Load Case (27)	339 1.914365E+00 Load Model Particip	-0.387	-0.398	1.767	· · · · · · · · · · · · · · · · · · ·	16-DE	C-88 16:12
Mode	Participation	Global X Direction X 1.05+02	1 Load in Each Globel Y Direction	Global Z		·	
97 31927.5	DGY Factor 559 -1 188280E+00		X 1.05+02 0.818				
97 31927.5 98 31927.5 99 44205.8 100 44205.8	569 -1 186280E+00 880 1 940391E+00 137 -2 477838E+01	-0.463 -0.802 -13.541	0.309 -0.012	0.226 -0.118 -10.273			
102 45810 7	731 -3.286963E+01	16 000	5.362 4.973 -3.306	-10 273 -4.430 0.187 3.708			
103 46366 3 104 46366 4 105 47783 8	137 -2.4778385-01 174 -2.4778385-01 174 -2.1289835-01 175 -3.289835-01 1810 -1.5128635-01 183 -2.9984725-01 129 3.800598-00	-2.251 7.284 0.061 2.925 -1.376	5.905 0.019	- 3.223			
106 47783.8	551 -6.031616E+00		-1.781 0.028	1 216 0 816		•	
Unscaled	Applied Load	22.464 29.796 2.87947E-01	28.965 27.788 2.77876E-01	-12.379 -16.458 -1.64585E-01			
ned Case (28) i	ond Model Particip	Ation Factors Physica Qlobal X	Load in Each	lode/			
Mode Umber Frequer		Direction X 1.0E+02	Global Y Direction X 1.0E+02	Globel Z Direction X 1.0E+02			
2682 12 2 2682 12 3 5389 78 4 5389 78 5 7634 71 6 7634 71 7 9754 70 8 9754 70 9 10518 87	26 3.663815E+00 27 1.616339E+00	-0.710 0.214					
4 5389 79 5 7634 71	27 10185395-900 98 4 1849115-00 98 5 - 2018515-00 90 6 7212445-00 90 2 1702965-00 92 1 1561215-01 92 -6 3980205-00 92 2 2711425-00 35 2 96 1968-03	0 214 -1 345 -0 131 - 5 371 -10 712 -0 058	-0.916 0.030 0.261 -0.088	-17.761 5.250 -10.408 1 435 3 171 -6.137 -0.069			
6 7634 71 7 9754 20	90 2 170298 +00 32 1 1581215-01	-10 712 -0.059	20.000 0.193	3.171 -5.137 -0.080			
9 10618.87 10 10618.87	32 1.781743E+00 92 -6.398020E+00 92 2.271142E+00	5.455 -1.104	0.796 1.371	75.583 R 446			····
11 11036 63 12 11036 63 13 11919 93	36 2.96 1956 -03 36 -1.294001E-01	-0.262 -0.003 -0.032	0 361 0 795 1 375 -0 609 -0 004	0.676 0.003 0.088	·		<u> </u>
14 11019 93 15 12083 12 16 2083 12	56 -4 64604EF-01	0.180 -0.475	-0.567 1.293 -10.070 3.554	5.244 0.000			_
17 12993 42 18 12993 42		10.710 3.204 -0.689 0.844	3.554 1.112	1 222 1 804 3 818	· ·		
20 13376 12	8 - 4-9245745+00		1, 112 -2, 982 -16, 360 0, 760	-1.841 0.232 2.002	· ·	·	
22 140E7 NE	40 7 4040000	2.096 -0.041 -0.704 -0.584 -0.230 9.305 0.053	3 . 121 0 . 298 2 . 558	0. 438 0.017			
23 15395 34 24 15395 34 25 16340 01 26 16340 01		-0.664 -0.230	-0 019	5.809 1.864 0.149			
27 17990 16	79 2 2000 (05.00	9.305	2.661	-2.896			
27 17880 16 28 17880 16		0.149	5.464 2.651 -0.460 -2.188	8 975			
1MP02-LOAD TAB;		DISKE: [KPO	O L]			16-DEC-	88 16 12 P
28 18685 91 31 18776 92 32 18776 92		DISKE: [KPO	-0.202 -1.500	-3.210 -2.492 0.101		16-DEC-	88 16 12 P
1MPD2-LOAD TAB;; 29 18685 911 30 18695 91 31 18776 92; 32 18776 93; 32 18776 93; 33 19240 482	5 784817E+00 6 -1 082274E+01 1 2 20084E-01 1 6 43377E+00	DISK8: [KPO 4.003 1.100 -0.038 -0.38 -0.883	-0.202 -1.508 -0.643 0.318	-3.210 -2.469 0.101 1.148 0.574		16-DEC-	88 16 12 p
28 1865 91 30 1865 91 31 1876 82 32 18776 92 33 19240 40 34 19240 40 35 18746 91	2 5 784817E+00 6 -1 082274E+01 11 2 280837F+00 13 -1 318344E+00 10 -1 111818E+00 10 -1 807482E+00 10 -1 807482E+00	DISK8: [KPO 4.003 1.190 -0.318 -0.318 -0.983 0.961 1.862 -2.286	-0.202 -1.508 -0.643 0.318	-3.210 -2.498 0.101 1.148 0.574 -0.478		18-DEC-	88 16:12 0
28 1865 91 30 1865 91 31 18776 92 32 18776 92 33 19240 49 34 19240 49 35 19746 91 36 19746 91	2 5 784817E+00 6 -1 082274E+01 11 2 280837F+00 13 -1 318344E+00 10 -1 111818E+00 10 -1 807482E+00 10 -1 807482E+00	DISK8: [KPO 4.003 1.190 -0.318 -0.318 -0.983 0.961 1.862 -2.286	OL] -0.202 -1.506 -0.643 -0.318 -1.503 -1.346 -1.346 -2.088	-3.210 -2.498 0.101 1.48 0.574 -0.478 0.027 0.225 2.902		16-DEC-	88 16 12 p
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81 82	29447 . \$676 29447 . \$676	-7. 393741E-02 -7. 331723E-01 8. 122473E-01 -3. 834757E-01 -2. 834757E-01 -2. 832082E+00 -1. 106440E+00 -1. 106440E+00 -2. 38 1888E+00 -2. 001420E-01 3. 974149E+00 -8. 277670E-01 5. 82091E-01 -1. 088464E+00 -2. 981264E+00	-0.047 0.867 0.601 -0.025 -1.696 9.002	-0.466 0.308 -0.027 1.013	-0.070 0.125 0.871				
83 82 85	2986 1 7678	-4.808618E+00 -1.106440E+00	0 002 -0 859 -0 382 2 745 -0 044	0.001 0.406 0.579 1.100	-0.070 0.125 0.871 0.003 -3.209 -1.425 -2.365 -2.204 -2.069 -0.481 0.118			· · · · · · · · · · · · · · · · · · ·	
86 87 88	29861 7678 30204 0613 30204 0613	2.381988E+00 -2.001420E-01 3.974149E+00	2.745 -0.044 -1.848	1 100 -0 038 - 0 710	-2.366 0.204				
89 90 91	30871.7576 30871.7576 31021.9219	4.861087E+00 -8.277870E-01 5.830918E-01	3.298 0.089	1.052 -0.208	-2.069 -0.481				
91 92 93			-0 044 -1 948 3 298 0 069 0 200 -0 275 0 913	-0.066 -0.379 -0.235					
96 96	31571 9339 31571 9339	-1.098464E+00 2.981263E+00 2.482406E+00 -2.614637E+00 4.801201E+00 I Modal Participa	-0.373 -0.483 -0.896	-0 236 0 364 -0 226 -1 660	-1.222 -1.121 4.467				
	188 (28) FORG	Moda: Participa	tion Factors Physical Global X	Load in Each N	lode/				
Mode Number	Frequency	Participation Factor	Global X Direction X 1.0E+02		Direction X 1.0E+02				
98	31927 5859 31927 5880 44205 8137 44206 8714 45810 7731 46810 7910	3.811725E+00 4.165044E+00 8.902039E+00	1 512 -1 722 -4 865 1 361 11 606 -2 885	-2.674 0.664 0.004 5.023	-0.740 -0.263				
100 101 102	44206 . 8714 45810 7731 45810 7910	1 992389E+01 -2 370857E+01 -1 804768E+01	1 361	5 023 3 587 -3 844	3.691 -4.149 				
103 104	48386 4930	-3.518206E+01 -9.729329E+00 -2.391801E+01 -1.408499E+01	-8.538 -0.156 -6.565 -3.212	-6.922 -0.048	0 195 4 424 -2 606 1 840				
185	47783 8305 47783 858		****	3 997 0 066	-2.730 1.439		· · · · · · · · · · · · · · · · · · ·		
O PA	m of Modal Physultant of App scaled App	ysical Loads Plied Load Plied Load Modal Participat	40 . 204 39 . 727 3 . 97272E-01	8.725 9.31337E-02	-17.993 -16.616 -1.66160E-01			·	
	se (29) Load	Modal Participat							
Mode Number	Frequency		Global X Direction X 1.0E+02	Direction X 1.0E+02	Direction X 1.05+02				
2 3	2682 1226 2682 1227 5389 7988 5389 7988 7634 7190 7634 7190 9754 7032	2.688032E+00 3.376936E+00 4.306878E+00	-0 517 0 446 -1 384 0 189	-0.687 0.083 0.269 0.127	- 12 934 - 10 986 - 10 708			· · · · · · · · · · · · · · · · · · ·	
	5389 7998 7634 7190		3.865	20.619	-2.059 2.282				
2	9754 7032	6.154039E-01 1.294050E+00	-25.228 -0.312 4.007	0.407 2.026 0.585	-12.097 -0.365			· · · · · · · · · · · · · · · · · · ·	
8	9754 . 7032			USES	-4 101				
18	10518 8792 10518 8792	4 11678 E+00 5 1112 75 + 00 6 1540 50 + 00 1 2940 50 + 00 3 5287 13 + 00 6 3287 3 + 00	-0.615	- 0.756 - 0.756 - 1.429	-4.101 -3.583 1.596				
11	10518 8782 10518 8782		-0.615 DISK6:[KPO		1.586			16-DEC-88	16:12 P
11 12 13 14	105 18 8 782 106 18 8 782 -LOAD TAB; 2 11036 8336 11036 8336	1 .271808E+00 -3 518057E+00	0.808 -0.615 DISK6:[KPO -1.330 -0.882 -0.414	-1 429 -1 429 NL) -1 609 -0 480	1.374			16-DEC-88	16:12 P
11 12 13 14 15 16	105 18 8 782 106 18 8 782 -LOAD TAB; 2 11036 8336 11036 8336	1 .271808E+00 -3 518057E+00	DISK6: [KPO -1.330 -0.822 -0.141 -5.217 14.916	-1 429 -1 429 -1 429 -1 480 -0 446 -1 187 -14 025	1.374 2.422 -4.124 0.043 1.702 0.482			16-DEC-88	16: 12 P
11 12 13 14 15 16 17 18 19	10518 8792 10518 8792 10518 8792 10518 8792 11036 6335 11036 6335 110919 8365 12083 1289 12083 1289	1 271808E+00 -3 518067E+00 -2 458183E+00 -6 088283E+00 -0 383283E+00 -1 073833E+00 -2 801877E+00	DISK6: [KPO(-1.330 -0.822 -0.141 -5.217 14.918 0.782 0.385	-1 429 -1 429 -1 429 -1 409 -0 446 -1 4 187 -14 025 -0 857 -0 638	1.374 2.422 -4.124 0.003 1.702 0.463 -2.076 2.288 0.143			16-DEC-88	16:12
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80 24778 828: 61 26125 3256 62 26125 3256 63 26531 328: 64 25531 328: 65 26049 234: 66 26532 340: 68 26532 340: 68 26532 340: 70 27512 702: 71 27951 7877 72 27961 7877 73 28010 1810	4 369578E+00 5 587195E+00 -3 110353E+00	1,210	1 142	0.967		10	30 10:12
61 25 25 325 62 25 25 325 63 25 31 328	-3.110363E+00 -5.493296E+00	6.447 2.074 0.334 -1.288	-0.139 -2.482 -0.036 1.020	-1:331 0.619			
64 25531 3284 66 26049 234 66 26049 234 67 26532 340	-1 2204106+00 3 6699145+00		1 020 -1 745	0.630 -1.000			
67 26532 340 68 26532 340	-7.524057E-01	0 . 299 3 . 575	-0.315	-0.418 -0.268 -0.717			
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71 27951 7870 72 27951 7870 73 28010 1810	0 -3 1103658+00 1 -5 483298+00 1 -1 2204106+00 2 -3 481849+00 1 -7 5340875-01 1 -7 5340875-01 1 -2 808828+00 0 -2 888728+00 0 -3 408498-01 0 -2 2880728+00 0 -3 408498-01 0 -2 248388+00 0 -2 248388+00 -2 2403208+00 -8 011808+00 0 -8 011808+00 0 -2 518728+00 0 -2 518728+00 0 -2 518728+00 0 -2 518728+00 0 -2 518728+00	-0.016	0.571 -0.089	-0.040			
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76 28346 672 77 28832 6606 78 28832 6606 79 29172 0111	-2.240320E+00 -8.013423E-01	1 .706 0 .397	0 235 -0 021 -1 343 -1 598	-0.478 0.534			
80 29172.0119	-2.515712E+00 9.589444E-01	1.706 0.397 2.859 2.289 0.710	-1.598 -1.598	3.638 1.403 -0.082			
DA AA229 AA92	4 8888755 88.	-0.123 -2.388 -0.031	0.365 -0.131	0.615 1.227 -0.062		·	· · · · · · · · · · · · · · · · · · ·
83 29657 1444 84 29657 1444 85 29861 7578	3.878496E+00 3.385826E+00	0.693	-0.023 -0.327 -1.773	2.588			
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91 31021.9219	9 119762E-01 6 120636E+00	0 313	2 110	D 100			
NO 315/1 N331	-3 15M535E+00	1 534 1 519 0 009 -0 583	-0.391 -0.009 -0.273 1.129	-5.665 0 196 0 030 -1.378 -4.976			•
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98 31927 568 0	7 581889E-01 -2 034477E+00 1 334051E-01 3 142484E+01 1 782718E+01	0.301 0.841 -0.073 2.146 -8.727 -0.672 -2.570	-0 532 -0 324 0 000 7 923	-0.147 0.124 0.055 -6.544 -0.101			
99 44205 8137 00 44205 8714 01 45810 7731	3 142464E+01 1 782718E+01	2 . 146 -8 . 727	7.923 -2.697	-6 544 -0 101			
02 45810 7910 03 48306 3652 04 48306 4829 06 47783 8306 06 47783 8551		-0.672 -2.570 -0.444	-2.697 -0.988 -2.084 -0.137	1.108 -0.784 5.251 3.360 -2.597			
06 47783 8306	2 7 7 7 7 7 7 7 7	8.081	-4.920	3.20		•.	
06 47783.8651	-2.778337E+01 2.944081E+01 2.541358E+01	5.795	-0.119	-2.597			
06 47783.88557 Sum of Mode 1 F		5.796 47.810 DISK6:[KPX	-0.119 21.944	-2.507 -18.295		16-	DEC-88 18:12
Sum of Mode! P	hysical Loads	5.795 47.810 DISK6: [KPOX 38.885 3.888518-01	21.844 5L] 21.156 2.11645E-01	-18.295 -17.823 -1.78228-01		16-	DEC-88 16:12
PO2-LOAD TAB;2 Resultant of A Unicaled Case (30) Loa	hysical Loads Applied Load toolied Load d Modal Participal	5.795 47.810 DISK6: [KPOX 38.885 3.888518-01	21.844 5L] 21.156 2.11645E-01	-18.295 -17.823 -1.78228-01		16-	DEC-88 16:12
PO2-LOAD TAB;2 Resultant of A lincaled Case (30) Loade	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6: [KPOX 38.855 3.885.8-51 tion Factors 	21.944 21.155 2.11645E-01 Load in Each M Global y K 1.0E+02	-17.823 -1.78228F-01 ode		18-	DEC-88 16:12
PO2-LOAD TAB;2 Resultant of A lincaled Case (30) Loade	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6: [KPOX 38.855 3.885.8-51 tion Factors 	21.944 21.155 2.11645E-01 Load in Each M Global y K 1.0E+02	-18.295 -17.823 -1.78228E-01 ode -1.78228E-01 01obe1 / 2 01obe1 / 2 01obe1 / 2 01obe1 / 2		16-	DEC-88 16:12
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PO2-LOAD TAB;2 Resultant of A lincaled Case (30) Loade	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6:[KPXX 38.865] 3.86815-01 Floring Factors - Physical Global X 1.05+02 -0.081 -0.081 -0.090 -0.317 6.094 0.131 0.427 0.427 0.720 1.134 -0.119	21.944 21.155 2.11645E-01 Load in Each M Global y K 1.0E+02	-18.295 -18.295 -17.823 -1.78228E-01 pode 1 Z Direction X 1.0E-02 -18.977 -1.485 -0.665 -2.270 -2.492 -1.171 0.327 -9.915 -0.003		16-	DEC-88 16:12
PO2-LOAD TAB;2 Resultant of A lincaled Case (30) Loade	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6:[KPXX 38.865] 3.86815-01 Floring Factors - Physical Global X 1.05+02 -0.081 -0.081 -0.090 -0.317 6.094 0.131 0.427 0.427 0.720 1.134 -0.119	21.944 21.155 2.11645E-01 Load in Each M Global y K 1.0E+02	-18.295 -18.295 -17.823 -1.78228E-01 pode 1 Z Direction X 1.0E-02 -18.977 -1.485 -0.665 -2.270 -2.492 -1.171 0.327 -9.915 -0.003		16-	DEC-88 16:12
PO2-LOAD TAB;2 Resultant of A lincaled Case (30) Loade	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6:[KPXX 38.865] 3.86815-01 Floring Factors - Physical Global X 1.05+02 -0.081 -0.081 -0.090 -0.317 6.094 0.131 0.427 0.427 0.720 1.134 -0.119	21.944 21.155 2.11645E-01 Load in Each M Global y K 1.0E+02	-18.295 -18.295 -17.823 -1.78228E-01 pode 1 Z Direction X 1.0E-02 -18.977 -1.485 -0.665 -2.270 -2.492 -1.171 0.327 -9.915 -0.003		16-	DEC-88 16:12
PO2-LOAD TAB;2 Resultant of A lincaled Case (30) Loade	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6:[KPXX 38.685] 3.86815-01 Floring Factors:	21.944 21.155 2.11645E-01 Load in Each M Global y K 1.0E+02	-18.285 -17.823 -1.782285-01 ode		16-	DEC-88 16:12
PO2-LOAD TAB;2 Resultant of A lincaled Case (30) Loade	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6:[KPXX 38.685] 3.86815-01 Floring Factors:	21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.846	-18.285 -17.823 -1.782285-01 ode		18-	DEC-88 16:12
PO2-LOAD TAB;2 Resultant of A lincaled Case (30) Loade	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6:[KPXX 38.685] 3.86815-01 Floring Factors:	21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.846	-18.285 -18.285 -17.823 -1.78228E-01 ode -1/ Blobs 1 / Blobs 1 / Bloss 1 / B		16-	DEC-88 16:12
PO2-LOAD TAB;2 Resultant of A lincaled Case (30) Loade	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6:[KPXX 38.685] 3.86815-01 Floring Factors:	21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.846	-18.285 -18.285 -17.823 -1.78228E-01 ode -1/ Blobs 1 / Blobs 1 / Bloss 1 / B		16-	DEC-88 16:12
PO2-LOAD TAB;2 Resultant of A lincaled Case (30) Loade	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6:[KPXX 38.685] 3.86815-01 Floring Factors:	21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.846	-18.285 -18.285 -17.823 -1.78228E-01 ode -1/ Blobs 1 / Blobs 1 / Bloss 1 / B		18-	DEC-88 16:12
PO2-LOAD TAB;2 Resultant of A lincaled Case (30) Loade	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6:[KPXX 38.685] 3.86815-01 Floring Factors:	21.844 21.844	-18.295 -18.295 -17.823 -1.78228E-01 pode 1 / 2		16-	DEC-88 16:12
PO2-LOAD TAB;2 Resultant of A lincaled Case (30) Loade	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6:[KPXX 38.685] 3.86815-01 Floring Factors:	21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.845	-18.295 -18.295 -17.823 -1.78228E-01 pode 1 / 2		16-	DEC-88 16 12
PO2-LOAD TAB;2 Resultant of A lincaled Case (30) Loade	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6:[KPXX 38.685] 3.86815-01 Floring Factors:	21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.845	-18.295 -18.295 -17.823 -1.78228E-01 pode 1 / 2		18-	DEC-88 16:12
PO2-LOAD TAB;2 Resultant of A lincaled Case (30) Loade	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6:[KPXX 38.685] 3.86815-01 Floring Factors:	21.844 21.844 21.844 21.844 21.844 21.845 2.11645E-01 Load in Each M Global V	-18.295 -18.295 -17.823 -1.78228E-01 pode 1 / 2		16-	DEC-88 16:12
Sum of Moda P PO2-LOAD TAB; 2 Resultant of A	Applied Load Splied Load Load Load Load Load Load Participation Factor	5.795 47.810 DISK6:[KPXX 38.865] 3.86815-01 Floring Factors - Physical Global X 1.05+02 -0.081 -0.081 -0.090 -0.317 6.094 0.131 0.427 0.427 0.720 1.134 -0.119	21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.844 21.845	-18.285 -18.285 -17.823 -1.782285-01 ode -1/2 8100a 1 / 2 8100a 1 / 2 1.08+02 -1.495 -0.695 -0.142 -0.003 -0.162 -0.003 -0.162 -0.003 -0.162 -0.003 -0.162 -0.003 -0.162 -0.003 -0.162 -0.003 -0.162 -0.003 -0.162 -0.003 -0.162 -0.003 -0.162 -0.003 -0.162 -0.162 -0.162 -0.162 -0.162 -0.162 -0.162 -0.162	3–45	16-	DEC-88 16:12

. MPD2-LOAD TAB 2		DISKE: (KPC			
48 22013,8056	7.701388E-01		O. 3 71	-0.185	18-DEC-88 18 12 T
	Participation	Global X Direction X 1.0E+02	Load in Each I	Globel Z	
Number Frequency	Factor_				
49 22545 5320 50 22545 5320 51 23053 2613 52 25053 2613	-2 6065 2 -0	-0.351 0.369 0.006	-0.305 -0.296	0 113 0 213 2 670 0 676 -1 748	
49 22545 5320 50 22545 5320 51 2365 2613 52 23666 6039 54 23666 6039 55 2016 6034	2.1111868+00 -2.6177496+00	1.328 -0.243 -0.094 5.105	-0.305 -0.296 0.295 0.295 0.261 -0.786	-1.748 0.652	
58 24811 1870	-3.988892E+00 -2.804784E+00 -2.4382196+00	5 105 0 673 0 698	1 045 -1 330 0 301 -0 016	0.552 -2.104 -0.564 -0.661 0.376	
27 - 52448 B585	4.025422-01 -2.000522-01 -2.7382-00 1.22462-00 2.11116-00 -2.617746-00 2.710633-00 -3.92892-00 -2.8047646-00 -2.8047646-00 -2.4382196-00 -6.652677-00 -6.82214-00 4.3635618-01	2 138 -1 907 0 504		-1 873 -1 824 -0 090	
81 25125 3250 62 25125 3250 63 25531 3260 64 25531 3284 65 26531 3284 65 26539 2242	4 193331E+00 -5 984197E+00	2 138 -1 907 0 504 -2 796 0 364 -0 658	3.320	1.794 0.666	
64 2553 3284 65 26049 2342 66 26049 2342 67 26532 340 68 26532 340	-6.234837E-01 5.583376E-01 6.413357E+00 1.949484E+00	2.185	0 521 -0 265 -3 097 0 817	-0.152 0.767	
64 26531 3284 66 26049 2342 66 26049 2342 66 26049 2342 67 26532 3401 68 26532 3401 69 27512 7029 70 27512 7029 71 27951 7870 72 27951 7870 73 28010 1810	2.470142E-01 3.840725E+00 4.772987E+00	-0.776 -0.149 -1.310 2.853 -0.042		0.696 0.030 0.117 -1.783	
71 2766 7870 72 2796 1 7870 73 28010 1810 74 28010 1810	1 187127E+00 -5 707989E+00 1 310306E+00	0.274	-0 142 1 546 -1 336 -0 236 -0 469 -0 061 -0 041	-1.763 -0.696 -0.002	
74 28010 1810 75 28346 6721 76 28346 6721	-1.084178E+00 -2.045325E-01 -4.299606E+00	-0,490 0,302 3,273	-0.061 -0.041	-0.303 -0.914	
76 28346 6771 76 28346 6771 77 28832 6605 78 28832 6605 78 28832 6605 79 29172 0119	-5.334103E-01 -1.450625E+00 -8.604410E-01	0,490 0,302 3,273 0,264 -0,921 -0,783 -0,101	0.433 0.547	0.366 -1 140 -0.480	
80 29172 0118 81 29447 8676 82 29447 8676 83 29667 1444	6 413367E+00 1 943484E+00 2 470142E-01 3 840725E+00 1 772987E+00 1 310308E+00 1 310308E+00 1 310308E+00 1 310308E+00 1 310308E+00 1 310308E+00 1 310308E+00 2 34508E+00 2 12509E+00 2 12509E+00 2 12509E+00 2 12509E+00 2 12509E+00 2 12509E+00 2 12509E+00 2 12509E+00 2 12509E+00 3 52816E+00 2 118270E+00 3 52816E+00 5 096721E+00 5 096721E+00 8 448331E-01	-2,239 -0,101 1,246 -0,223 0,715	-1 151 -0 108 -0 744 -0 186 -0 338 1 453 1 629 0 400 0 232 1 151	-0 480 0 260 0 506 -0 640	
83 29857 1444 84 29857 1444 85 29861 7578 86 29861 7578	4.000862E+00 -2.774521E+00 3.526156E+00	0.715 -0.968 4.063	-0:338 1:463	-0 442 2 870 -3 577 -3 500	
87 30204 0613 88 30204 0613 89 30871 7676 90 30871 7676	2 118270E+00 1 29948EE+00 5 095721E+00	N - (479)	0.400 0.232 1.161	-2 158 0 106 -2 262	
	3.847880E+00 8.406371E-01 1.831892E-01 -1.001144E+00	3.606 -0.322 0.291 -0.307 -1.005	0 967 -0 096 0 063 0 079 0 966	2 234 0 623 -0 176	
	6.898971E+00 1.533809E+00	-0.307 -1.005 0.283 0.278	0 133	-0.039 -3.298 0.669 -1.263	
96 31671.9339	1.375705E+00	0.278	0.287	-1.263	
					
1				·	
* IMPD2-LOAD.YAB;2	lodal Participa	DISK6: (KPO	-·•		18-DEC-88 16: 12 P
1Load Case (30) Load	Model Participa	hion Ecobora	-·•	Global Z Direction X 1.05+02	18-DEC-88 16:12 P
Hode Number Frequency	Participation Factor	tion Factors Physical Global X Direction X 1.0E+02	Global V Direction X 1.0E+02 0.848 -0.137	0.179	18-DEC-88 16:12 P
Node Number Frequency 97 31927 5889 98 31927 5889 99 34925 8187 100 44205 8187	Participation Factor -8 241336E-01 8 573603E-01 2 806324E-01	tion Factors	Global V Birection X 1.0E+02 0.648 -0.137 0.013	0 . 179 0 . 062 11 . 847	18-DEC-88 16:12 P
Node Number Frequency 97 31927 5889 98 31927 5889 99 34925 8187 100 44205 8187	Participation Factor -8 241336E-01 8 573603E-01 2 806324E-01	tion Factors Global X Direction X 1.0E+02 -0.367 0.365 -15.362 -1.5.362 -1.5.362 -2.5.465 0.270	Global V Birection X 1.0E+02 0.648 -0.137 0.013	0 . 179 0 . 062 11 . 847	18-DEC-88 16:12 P
Node Number Frequency	Participation Factor 9: 2413362-01 8: 573632-01 2: 8063242-01 8: 6063242-01 1: 819818-01 1: 0481842-01 1: 889187-01 2: 0481842-01 1: 889187-01 1: 889187-01 1: 889187-01 1: 889187-01 1: 889187-01 1: 889187-01 1: 889187-01	tion Factors	Global V Blobal V Blobal V Blobal V 0.848 -0.137 0.013 2.181 -2.763 -5.989 2.084 -2.482	0 179 0 062 11 847 -1 210 -0 104 6 717 0 777 -3 1978 3 076	18-DEC-88 16:12 P
Node Number Frequency	Participation Factor 9: 2413362-01 8: 573632-01 2: 8063242-01 8: 6063242-01 1: 819818-01 1: 0481842-01 1: 889187-01 2: 0481842-01 1: 889187-01 1: 889187-01 1: 889187-01 1: 889187-01 1: 889187-01 1: 889187-01 1: 889187-01	tion Factors	Global V Blobal V Blobal V Blobal V 0.848 -0.137 0.013 2.181 -2.763 -5.989 2.084 -2.482	0 178 0 062 11.647 -1.810 -0 104 6 717 0 777 2 376 3 076 -10 388 -18.491	18-DEC-88 16:12 P
Node Number Frequency	Participation Factor 9.2413362-01 8.6736032-01 2.8083242-01 8.8090472-00 1.8198182-01 1.0481842-01	tion Factors	Global V Global V Direction X 1.0E+02 0.648 -0.137 -0.013 -2.753 -5.989 2.064 0.044 -3.482 0.141 -5.012 -0.356 -3.55638E-03 load in Each M Global V Direction X 1.0E+02	0 178 0 065 11 847 -1 810 -0 104 6 717 0 777 -2 178 3 075 -10 388 -18 481 -1 84813E-01	18-DEC-88 16:12 P
Node Number Frequency	Participation Factor 9.2413362-01 8.6736032-01 2.8083242-01 8.8090472-00 1.8198182-01 1.0481842-01	tion Factors	Global V Global V Direction X 1.0E+02 0.648 -0.137 -0.013 -2.753 -5.989 2.064 0.044 -3.482 0.141 -5.012 -0.356 -3.55638E-03 load in Each M Global V Direction X 1.0E+02	0 178 0 062 11.847 -1.810 -0.104 6 717 -3.105 2 378 3 076 -18.481 -1.848135-01	18-DEC-88 16:12 P
Node Number Frequency	Participation Factor 9.2413362-01 8.6736032-01 2.8083242-01 8.8090472-00 1.8198182-01 1.0481842-01	tion Factors	Global V Global V Direction X 1.0E+02 0.648 -0.137 -0.013 -2.753 -5.989 2.064 0.044 -3.482 0.141 -5.012 -0.356 -3.55638E-03 load in Each M Global V Direction X 1.0E+02	0 178 0 062 11.847 -1.810 -0.104 6 717 -3.105 2 378 3 076 -18.481 -1.848135-01	18-DEC-88 16:12 P
Node Number Frequency	Participation Factor 9.2413362-01 8.6736032-01 2.8083242-01 8.8090472-00 1.8198182-01 1.0481842-01	tion Factors	Global V Global V Direction X 1.0E+02 0.648 -0.137 -0.013 -2.753 -5.989 2.064 0.044 -3.482 0.141 -5.012 -0.356 -3.55638E-03 load in Each M Global V Direction X 1.0E+02	0 178 0 065 11 847 -1 810 -0 104 6 717 0 777 2 978 3 075 -10 388 -18 481 -1 84913E-01 bota 1 057 1 557 1 557 1 557 1 578 1 733 1 1 557 1 378 0 401	18-DEC-88 16:12 P
Node Number Frequency	Participation Factor 9.2413362-01 8.6736032-01 2.8083242-01 8.8090472-00 1.8198182-01 1.0481842-01	tion Factors	Global V Direction X 1.0E+02 0 848 -0 137 0 013 2 191 -2 753 -5 889 -2 084 -3 482 0 141 -5 012 -0 356 -3 55538E-03 1 oct in Each M Global V Direction X 1.0E+02 -0 290 -0 093 -0 093 -0 093 -0 183 -1 389 -1 389 -1 189 -1 184	0 178 0 065 11 847 -1 810 -0 104 6 717 0 777 2 978 3 075 -10 388 -18 481 -1 84913E-01 bota 1 057 1 557 1 557 1 557 1 578 1 733 1 1 557 1 378 0 401	18-DEC-88 16:12 P
Node Number Frequency	Participation Factor 9.2413362-01 8.6736032-01 2.8083242-01 8.8090472-00 1.8198182-01 1.0481842-01	tion Factors Blook Phys.ical Blook Bloo	Global V Direction X 1.0E+02 0 848 -0 137 0 013 2 191 -2 753 -5 889 -2 084 -3 482 0 141 -5 012 -0 356 -3 55538E-03 1 oct in Each M Global V Direction X 1.0E+02 -0 290 -0 093 -0 093 -0 093 -0 183 -1 389 -1 389 -1 189 -1 184	0 178 0 065 11 847 -1 810 -0 104 6 717 0 777 2 978 3 075 -10 388 -18 481 -1 84913E-01 bota 1 057 1 557 1 557 1 557 1 578 1 733 1 1 557 1 378 0 401	18-DEC-88 18:12 D
Node Number Frequency	Participation Factor 9.2413362-01 8.6736032-01 2.8083242-01 8.8090472-00 1.8198182-01 1.0481842-01	tion Factors Blook Phys.ical Blook Bloo	Global V Direction X 1.0E+02 0 848 -0 137 0 013 2 191 -2 753 -5 889 -2 084 -3 482 0 141 -5 012 -0 356 -3 55538E-03 1 oct in Each M Global V Direction X 1.0E+02 -0 290 -0 093 -0 093 -0 093 -0 183 -1 389 -1 389 -1 189 -1 184	0 178 0 065 11 847 -1 810 -0 104 6 717 0 777 2 978 3 075 -10 388 -18 481 -1 84913E-01 bota 1 057 1 557 1 557 1 557 1 578 1 733 1 1 557 1 378 0 401	18-DEC-88 18:12 P
Node Number Frequency	Participation Factor 9.2413362-01 8.6736032-01 2.8083242-01 8.8090472-00 1.8198182-01 1.0481842-01	tion Factors Blook Phys.ical Blook Bloo	Global V Direction X 1.0E+02 0.848 -0.137 0.013 -2.763 -5.869 -3.482 0.141 -5.012 -0.356 -3.55838E-03 load in Each M Global V Birection X 1.0E+02 -0.366 -0.290 -0.010 -0.010	0 178 0 065 11 847 -1 810 -0 104 6 717 0 777 2 978 3 075 -10 388 -18 481 -1 84913E-01 bota 1 057 1 557 1 557 1 557 1 578 1 733 1 1 557 1 378 0 401	18-DEC-88 16:12 D
Node Number Frequency	Participation Factor 9.2413362-01 8.6736032-01 2.8083242-01 8.8090472-00 1.8198182-01 1.0481842-01	tion Factors Blook Phys.ical Blook Bloo	Global V Direction X 1.0E+02 0.848 -0.137 0.013 -2.763 -5.869 -3.482 0.141 -5.012 -0.356 -3.55838E-03 load in Each M Global V Birection X 1.0E+02 -0.366 -0.290 -0.010 -0.010	0 178 0 005 11.847 -1.810 -0 104 -0 104 -0 777 -3 195 -3 075 -10 388 -18.4913E-01 -1.84913E-01	18-DEC-88 16:12 D
Node Number Frequency	Participation Factor 9.2413362-01 8.6736032-01 2.8083242-01 8.8090472-00 1.8198182-01 1.0481842-01	tion Factors Blook Phys.ical Blook Bloo	Globel V 137 0 137 0 137 0 137 0 141 -2 753 -5 889 -3 482	0 178 0 005 11.847 -1.810 -0 104 -0 104 -0 777 -3 195 -3 075 -10 388 -18.4913E-01 -1.84913E-01	18-DEC-88 16:12 P
Node Number Frequency	Participation 9.241336E-01 8.673603E-01 2.808324E-01 2.808324E-01 1.818918E-01 1.818918E-01 1.04184E-01	tion Factors	Control Cont	0 178 0 0 062 11 847 -1 810 -0 104 6 717 -3 196 3 076 -10 388 -18 498 -18 498 -1 7557 0 067 0 087 0 080 -3 860 -6 800 -3 860 -6 800 -3 860 -6 800 -3 860 -6 800 -3 860 -6 800 -3 860 -6 800 -3 860 -6 800 -3	

IMPO2-LOAD . TAB; 2		DISK6: [KPC	OL]			16-DEC-88 16:12 P
30 19686 9195 31 19776 9321 32 18776 9321	5.978948E+00 1.178468E+01 4.556371E+00 2.525318E+00	-0.670 -1.987 -0.232 1.885 -1.678	0. 90 0	1,406 5,258 0,837		
31 18776 9321 32 18776 9321	4.5583715+00	-0.232	-0.463	8:139		
33 19240 4923 34 19240 4923 36 19746 9190	1.961935E+00	-1.678	-0.610 2.662	-1.101 0.841		
33 19240 4923 34 19240 4923 36 19746 9190 36 19746 9190 37 20485 2293	-5.2915225-01	-2.861	Λ •Λ?	0 841 0 025 0 327 -1 733 1 389		
37 20485 2293	2.7121325+00	-3.941	-1.236	-1.733		
38 20485 2293 39 20700 9547 40 20700 9547	-6.558238E+00	-3.941 2.638 4.344	- 1 235 - 1 281 2 713	1.389 1.286		ļ
41 20027 8222	2.525318+00 1.981935E+00 5.291525E-01 -2.07448E+00 2.7121925+00 1.719519E+00 -6.55823E+00 2.667906E+00 2.667906E+00	1.087	0.834	1 286 -0 602		
42 20937 8322 43 21107 7206	-3 148912E+00 -3 136009E+00	-0 R10	0.005	-1.855		
44 21107 7206	-2.173904E+00	2 382 1 882 -2 187	-0 342 1 284 4 082	-0.855 -1.855 -1.572 0.157 -1.802 -0.370 -6.878 -0.164		
45 21564 5447 46 21564 5447	3.548618E+00 1.221079F+00	-2.187 0.370	4.082	1.802		. 1
45 21584 5447 46 21584 5447 47 22013 6056 48 22013 6056	1.221079E+00 4.170148E+00 6.828301E-01	3.861	0.351 0.977 0.329	-6.878	·	
ad Case (31) Load	Model Participat	ion Factors				
		Physical	Load in Each I	Global Z		
Mode mber Frequency	Participation Factor	Direction X 1.0E+02	Direction X 1.0E+02	Direction X 1.0E+02		
					4	
49 22545 5320 50 22545 5320 51 23063 2613 52 23063 2613 53 23565 0039 54 23566 0039 55 24016 8034 56 24016 8034 57 24611 1870 58 24611 1870 59 24778 8283	-1 181671E+00 2 934010E+00 2 265840E+00 -4 029408E+00	0.884 -4.150 0.739	0.768 3.332 0.227 -0.870	-0.285 -2.394 2.168 -2.224 -1.177		
51 23063.2613 52 23063.2613	2.265840E+00 -4.029408E+00	0 739 -0 017	0.227	2.168		
53 23566 0039	1.421558E+00	0.894		-1:177		
55 24016.0034	-1.185366E+00 3.370792E+00	-0.110 -0.117	-0.366 1.299 -0.616	0.250 -2.616		
56 24016.8034 57 24811 1870	-1.549398E+00 -1.647080E+00 -3.879394E+00	1.982 -0.396	-0.516 -0.177	-0.370		
57 24611 1870 58 24611 1870 59 24778 6283	-3.879394E+00 -8.340742E+00	1 111	-0.026	0.596		
60 24778.6283	2.649219E+00	3.563 0.734 -1.407	0.692	-3.288 0.587	e e	ļ
60 24778 6283 61 25125 3250 62 25125 3250 63 25531 3284 64 25531 3284 65 26049 2342 66 26049 2342 67 26532 3401 68 26532 3401	-1.218958E+00 6.447659E-01	-n 412n	-4.411 0.692 0.030 0.510	8.351		
63 25531.3284	-3.253412E+00	0 198 -3.628 3.252	-0.021	Ŏ.3Ó7		*
65 28049 2342	6 447659E-01 -3 253412E+00 -3 438184E+00 4 208081E+00 -8 309801E-01	3.252	-2.001	1,493 -1,146 -0,099		
66 26049.2342 67 26532.3401		-0.283 -1.273	0.401			
68 26532.3401	-2 634209E+00	-1.273 1.586 1.114	1.519	-0.318 -0.000		
68 26532 3401 69 27512 7029 70 27512 7029	-2 634209E+00 -3 266060E+00 1 663999E+00 1 840995E+00 -2 913633E+00	0.995	1.342 1.519 -1.315 -0.466	1 143 -0 318 -0 099 -0 615 2 467 -0 365 -0 002 -1 366 -2 953 -0 737		
71 27951 7870	-2.913633E+00	0.995 -0.065 0.140	-0.483 0.758	2.457 -0.365		
73 28010 1810	- 9-2828296 :XX	0.689 1.128	8.318	-0.002	·	
75 28346.6721	1 990550E+00 -3.470144E+00 -2.402705E+00 2.595289E+00	-2.942	0.403	-2.953 -0.737		
75 28390.0721	-3.47U144E+U0	2.642	0.365 -0.062	-9.737		
75 28346 6721 76 28346 6721 77 28832 8605 78 28832 8605	-2.402705E+00	1,191	-8.492	1.602 2.846		

INPO2-	LOAD YAB: 2		DISK6: [KPO	OL)		*		18-DE	-88 16:1	2 Pet
79 80	29172 0119 29172 0119 29447 8676 29447 8676	3 3582485+00 -1 882225+00 3 070585+00 -1 4801545+00 8 082424-01 1 713528+00 -1 808955+00 -1 1408575+00 -2 23737805+00 2 2282455+00	-3.056 -1.475	2.133 -0.768	-1. 873 0.171					
81 82	29447 . 8676 29447 . 8676	3.070565E+00 -1.460154E+00	0.200 -0.856	0.214 0.511	-1.006 0.440			·····		
83 84	29057.1444 29057.1444	8.062424E-01 1.713628E+00	0.135 0.306	0.101 -0.145	0.268 1.143					<u>. </u>
85 86 87	29857 1444 29857 1444 29851 7578 29861 7578 30204 0613 30204 0813	-1.809995E+00 -1.140657E+00	-3.066 -1.475 0.200 -0.856 0.306 -0.558 -1.314 -0.821 -1.021 -0.064 -1.042 -1.042	0.843 -0.527	-2.076 1.132					
全皇	30204 0813	-2.373780E+00 2.226245E+00	-1.001	-0,448 0,398	2.418 0.181	·		· · · · · · · · · · · · · · · · · · ·		
89 90 91	30871.7676 30871.7676 31021.9219 31021.9220	6.453245E-01 -3.032094E+00	-0.064 -1.042	0.182 0.345	0 505 0 375 -0 334 4 286					
93 93	31129,1084	-1 137 1365 +00 6 4632455 -01 -3 0320945 +00 -4 63 10255 +00 -2 92 17645 +00 -2 579 1745 +00	-1 161 -0.895	0,398 -0,257 0,182 0,346 -1,566 0,230 -0,388	-0.115					
94 95	31129 1085 31571 9339 31571 9339	1.91408/2700	-0.895 0.387 -0.363 -0.217	-V. 100	-0.836					-
sed Cas	ie (31) Load	1.0782906+00 Model Participe	tion Factors	Lood in Foot i	0.088					
Mode		Participation	Glebal X	Globel Y	Blobel Z					
mber	Frequency	ractor.	A 1.0ET02	A 1.0ETQ2	X 1.0ETU2					
97	31927.5669 31927.6680 44206.8137	1.940685E+00 1.168446E+00	0.770 -0.483	-1.361 0.186	-0.377 -0.071					
100	44205 8137 44205 8714 45810 7731	2 127013 +01 2 477746 +01	-11.624 1.692 7.406	0.010 6.247 2.289	8.818 -5.180 0.086 -8.068					1
103	310 7010	-1 512784E+01 3 287758E+01 -3 795538E+00		2.289 7.184 -0.747	-8.058 -0.281					
104	46366 3063 46366 4829 47783 8306	7 MMMC(199-401	-0.922 0.440 1.455	0.148	-5.673 0.688 -1.089					
106	47783.8661	1.066E86E+01	1.665	-1.008 -0.060						
Sun Res	n of Model Pt sultant of As	ysical Loads plied Load plied Load	30, 423 29, 795 2, 979475-01	33:944	-21.576 -16.458 -1.645855-01					
Ded Car	e (32) Loss	Model Participa	tion Factors	2 77E7EE-01						
Mode		Participation	Global X Direction	Globe Y	Globel Z Direction X 1.0E+62					
unber	Frequency	Factor	Ninegtion X 1.0E+02	X 1.0€+02	X 1.0E+02					
1 2	2682 1226 2682 1227	1.616339E+00 -3.66381EE+00 2.001EE1E+00	-0.313 -0.484	-0.404 -0.089	-7. 838 -11.801					
3	2082 1225 2082 1227 5380 7098 5389 7098 7034 7190 7034 7190	2.001551E+00 -4.184911E+00	-0.643 0.276 2.037 26.239	0.125 0.184 10.870 -0.456	-4.678 -3.001 1.203 13.641		······································			
<u> </u>	7634 7190 7634 7190	-4.184911E+00 2.170298E+00 -5.721244E+00	2.037 28.239	10.870 -0.456	1,203	_				
7 8	9764 7032 9764 7032 10518 8792 10518 8792	-1.761743E+00 1.166121E-01	0.864 0.364 -0.382 0.734	-0.456 -5.800 0.052 0.487	-0.396 -0.396 2.288 -1.903	E-47				
<u> 18</u>	10518 8702	1 156121E-01 -2 271142E+00 -6 366020E+00 -1 284001E-01		1.715 0.164	-1 603 -0 140	<u> </u>				
'''	. 1030, 0330	· · · ***** IE 301	V. 136		-0.140					

- IMPU2	-LOAD . TAB; 2		DISKE: [KPOC			16-DEC-88 1
12	11036 6336 11019 9365	-2.951970E-03 -4.045045E-01 -3.125178E-00 -4.400074E-00 -4.569021E-00 -5.060000E-00 -5.060000E-00 -2.447222E-00 -4.624574E-00 -4.624574E-00	-0.001 -0.027 -3.199	0.000 0.004 8.700	0.002 -0.779	
12	11919 9386	-3 1263781+00	-3.199 10.314	¥:768	0.662	
16 16	12083 1289 12083 1289	-4.569021E+00	10.314 -3.327	-9.696 -3.690 1.378	1 177	•
17	12993 4264 12993 4264 13376 1488	6.269509E±00	-0.854	1.378	1.987	
19	13376 1488	-2 4472225+00	-0.682 -0.867	-8.862	0 123 -3 763 -0 046	
20	14967 0648	-4.824574E+00 2.484232E+01	-4 680 -0 215	-1.4 36 -0.321	-3.783 0.45	
22	14957 0548	4 . 4 1000 IETW	-0 403	2.506	0.162	
23 24	15395 3482 15395 3482 15340 0113	1 111222E+00 3 124780E+00	-0.260 0.260 1.587	0.910	2.066 -4.678	
- 25 27	16340 0113 16340 0113	4.201210E+00 3.040478E+00	-0.318	. /.BBU	2.096	
27	17880 1679	-1.620698E+00	-6 734 -0 032	-1.919 0.239	2.096 -0.583	
28	17880 1679 18885 9198	-2.709919E+00	0.249 7.350	-3 658 -0 370	1.506	•
30	18685 9195	1 062274E+01 5 784817E+00	-0.648	5 271		
31 32	18776 9321 18776 9321	-6.243377É+00 2.260937É-01	-0.648 1.653 -0.012	-1.665 -0.023 0.269	1.360 -2.766 0.042	
33	19240 4923	-1.111916E+00 1.316344E+00	-0.830	0.269	0.486	
36 36	19746 . 9190	1.807452E+00 5.792771E-01	-0.830 -1.126 5.778	1.786 1.049	0.564 0.084	
36 37	19746 . 9190	5.792771E-01	5.778 0.726 6.422	-0.430	-0.091	
38	20485 2293 20485 2293 20700 9647	4 540524E+00	6 986 0 180	2.013	3-124	
. 39 40	20700 9547	-2.716534E-01 -2.234468E-01	0.180 0.178	0.112	ŏ∶ŏ€š	
41	20937 8322	2.251092E+00	2.25£	0.463	2 824 3 688 0 63 0 288 -0 846	
42	20937 8322 20937 8322 21107 7206	2 21KB99F+00	-1.308 -1.683	0.010	-3.919 1.111	
44	21107 7206	-2.380636E+00	1.820	1.408	0.1 83	
46	21564 544	1.493034E+00	0.452	0.429	-1.303 -0.463	· · · · · · · · · · · · · · · · · · ·
47	21564 5447 21564 5427 22013 6066 22013 6066	-2.389239E+00 -2.859750E+00	-2.212 1.482	-2.951 0.429 -0.560 -1.377	-0.453 3.940 0.688	
1Load Ca	se (32) Los	d Modal Participat	ion Factors			
		_	_Global X	Glabal V	Global Z	
Mode	Frequency	Participation Factor	Direction X 1.0E+02	Direction X 1.05+02	Direction X 1.0E+02	
49						
50	22545 5320 22545 5320 23083 2613 23063 2613 23566 0039 23566 0039	-1.853526E+00 -2.412598E+00 -3.845167E+00	1.386 3.412 -1.254	1 204 -2 740 -0 386	-0.447 1.968 -3.679	
52 53	23063 26 3	-3.845167E+00 -1.185770E+00	-1.254 -0.665	-0.386 -8.285	-3.679 -0.655	
53	23566 0039	-2 458925E-01 -2 398170E+00 8 046843E+00	-0.155 -0.222	-0.030	0.204	
54 55 56	26U16.8U34		-0.280	-0.720 3.101	0.506 -6.246	
56 57	24016.6034 24611.1870	-1.683834E+00 -1.838236E+00	2.154	-0.581 0.197	-0.402	
58	24611 1870	-1 352496E+00 5 155961E+00	-0.005 -0.155 -0.222 -0.280 2.154 0.441 0.387 -2.202	-0.009	-0.368 0.208 2.033	
- 88	24778 6283 24778 6283	5 44335E-01	2 -202 0 143	8 727	2 033 6 114	
		• • • • • • • • • • • • • • • • • • • •		w. 1994	V. 114	•
						

MP02-LOAD TA			DISKE: [KP	XOL)		18-DEC-88 16:12
61 25125 62 26125 63 25531 64 25531 65 26049 67 26532 68 27512 70 27512 71 27951 73 28030 76 28346 76 28346 77 28632	3250	-1 203526E+00 -1 842726E+00 -8 7361E5-02 -3 098075E+00 -4 8 18025E+01 3 844498E+00	-1.389 1.229 0.006 -3.267 -0.372	0.030 -1.459	-0 248 -0 789 8 668	
62 26126 63 25531 64 25531 65 26049 66 26049 67 26532 68 27512	3284	-8 739115E-02 -3 098075E+00	0.006	-0.001	0.66	
66 26049	2342	-4.818025E-01	-0:372	2.588 0.229 -1.857	1.345 0.131	
67 26532 68 26532 69 27512	3401	-2 \$423081+00 6 \$540981+00	1 710	-1.867 -1.191	9.480	· · · · · · · · · · · · · · · · · · ·
68 26632.1	3401 2029	3 BB3BE (E 10A	-4 188 -0 038	-4.011	0.839	
70 27612	<u> </u>	-3 307656 +00 -6 246481 -01 -1 273106 +00 -9 442874 -01 3 569296 +00	1 129 -4 188 -0.976 -1 977	1.152 0.925	0 839 0 087 1 222 -0 837 -0 155 0 002 -1 985	
72 27961 73 28010	7870	-1.273106E+00	0.022	0.157 0.331	-0.837 -0.165	
73 28010 74 28010	1810 1810	-9 442874E-01 3 569266E+00	1 614	0.331 -0.338	-0.155 0.002	
74 28010 76 28346 76 28346 77 28832	5721 5721	3.8108290 ±00 -7.742411 =01 -7.742411 =01 -9.172465 =01 8.123473 =01 -2.812062 ±00 -2.82062 ±00 -1.028064 =02 -2.381988 ±00 -1.028064 =02 -3.9478 ±00 -1.05440 ±00 -3.04408 ±00	-6.781 0.689 -0.037 -0.683	0.752 0.081	-5.802 -0.165 -0.049 -0.721	
77 28832. 78 28832.	8606 8605	7 393741E-02	-0.037	0.002	-0.049	
79 29172.	D119	8 125473E-81	-0 730	0.792 0.081 0.002 0.274 0.516 0.279 -0.202	-8.721 -8.721	
81 2 944 7.	0119 8676	7.3317236-01 -2.8920625+00	0.543 -0.189	0 270 -0 202	-0.453 -0.063 0.946 -0.116	
82 20447	2678	-3.434777-01	0 225	-0 134	-0.116	
94 20 0 007	4444	-1.0260041-02	-0.002	-0.602 0.001 1.248 -0.511	-1.600 -0.007	
85 29861 86 29861	7578 7578	-2.381986E+00	-0.822 -1.274	1.248	-3.071 1.007	
87 30204 88 30204	7578 7578 9613 9613	-1 105400±+00 -2 001414E-01 8 277798E-01 4 651079E+00 1 09853E-01 2 482587E+00 -2 9810025+00	-0.272	-0.761 -0.036 0.187	4.048	
89 30871	7676 7676	2777958-01	0.098 0.586 -0.390		-0.016 -0.367 2.706	
91 31021	B219	1.00	0.372	- 0.123	9.708 9.121	
92 31021 93 31129 94 31129	9220 1084	5.828503E-01 2.482587E+00	0.146 0.760	-0.125 0.201 -0.196 -0.426	-0 639 0 098	
94 31129	1025	-2 98 10025 +00 -4 . 80 13 125 +00	0.447	-0.426	1 467	
96 31571	9339	-2.614371E+00	-0.886 0.628	-0.415 0.545	-2.065 -2.400	
pad Case (32)	LOGG	Model Participat		l load in Each I		
Mode			Globel X Direction X 1.05+02	Global Y Direction X 1.0E+02	Global Z	
umber Frequ	ency	Participation Factor	X 1.0E+02	X 1.0E+02	Direction X 1.0E+02	
97 31927.	5659	4.166011E+00	1:652			
97 31927 98 31927 99 44205 100 44205	137	4.185011 +00 -3.812972 +00 1.992525 +01 -1.902451 +00	1.577 -10.229	-2 823 -0 608 0 009 -2 244	-0.809 0.232 8.261	
100 44206	7734	-8.002451E+00	-10, \$99 -0, 808	-2.244	1 1 1 1 1	
101 45810 102 46810 103 46366	7910	2.3703748+01	3.527	2.731 5.180	0.103 -5.810 0.721	
104 46366	7910 3053 4829	-1.8048388-01 2.3703744-01 9.7319822-00 -3.819823-01 1.408828-01 -2.3817984-01	3 527 3 527 3 523	1.916 -0.174	6.66	
106 47783	2306 1861	1.408658E+01	-2:22	-2.564 0:112	1.608	
				0.112	2.444	E-48
- No. 64 BOO	- 52	reica) Loads	33.729	11.913	-18,818	· · · · · · · · · · · · · · · · · · ·

	LOAD TAB; 2 called Ar	plied Load	DYSK6: [KPC 3.97272E-01	-		18-DEC-88 18: 12
ad Cas	(33) Load	Model Participat	ion Factors	9.31337E-02	-1.66160E-01	
Mode	Frequency	Participation Factor	Globel X Direction X 1.0E+02	Globel Y Direction X 1.05+02	Global Z Direction X 1.06+02	
1 3	2682 1226 2682 1227 5389 7968 5389 7968	3.375935E+00 -2.668032E+00 -2.885387E+00	-0.654 -0.353 0.928	-0.844 -0.050 -0.180	- 16 . 366 - 8 . 666 - 7 . 176	
5 67	7634 7190 7634 7190 9754 7032 9754 7032	-4.305878E+00 5.111217E+00 -4.116781E+00 -1.294050E+00 6.154039E-01	0.283 4.798 20.320 0.857	0 189 25.800 -0.328 -4.261	-3.087 2.833 9.743 0.768	
10 11	10518 8792	-5.329713E+00 3.525781E+00 -3.5180675+00	-0.920 -0.407 -3.879	0.278 1.143 -0.945 4.451	-1 950 5 370 1 049 -3 801	
13 14 15	11036 6336 11036 6335 11919 9366 11919 9366 12083 1289 12083 1289	-1.271606E+00 -5.096984E+00 2.468183E+00 -1.073833E+00	-0.319 -0.293 2.516 2.517	-0 174 0 926 -6 842 -2 367	0.875 -8.552 -0.002	
17 18	12993.4254	-6.383293E+00 -7.791564E+00 2.901877E+00 -4.007119E+00	-4.634 1.061 0.391 -1.419	-5.139 -1.712 -1.380 -14.187	0 287 -2 740 -5 572 -0 852 0 201 -2 337	
20 21 22 23	13376 1488 13376 1488 14967 0648 14967 0648	-2.856738E+00 1.179893E+00 2.320159E+00 3.948633E+00	-2.891 -1.022 -0.387 -0.686	-0.887 -1.522 2.788	-2:337 -0:214 0:161	
22 23 24 25 26 27	15395 3482 15395 3482 16340 0113 16340 0113	2.159204E+00 -1.862586E-01 3.288179E+00	1.097 0.013 -7.283 0.050	-0.299 -2.075	-3 233 -0 006 2 266 0 918	
29 30	17880 1679 17880 1679 18685 9195 18685 9195 18776 9321	2.5514435+00 -1.3307025+00 -9.3829775+00 -7.7506235+00 -3.1612085+00	0 122 -6 492 0 869 0 533	-6 377 -1 796 0 327 -1 167	0.740 5.207 -1.823	
31 32 33 34 36 36	19776 9321 19240 4923 19240 4923	-2.240378E+00 -3.877077E+00 4.790438E+00 9.810896E-01	0 114 -2.894 -4.097	-0.838 0.231 0.937 6.500 0.569	-1.411 -0.412 1.691 2.063	
38	19746 9190 19746 9190 20485 2293 20485 2293 20700 9547 20700 9547	2.598887E+00 -5.693836E+00 4.536823E+00	3 136 3 259 8 274 6 969	2.593 3.379	-0.46 -0.410 3.639 3.666	
40 41 42	2UW37 X322	-3 150257E+00 -1 833255E+00 2 249520E+00 5 175305E+00 -1 095800E+00	6.969 2.096 1.481 1.782 1.019	0 853 0 368 -0 008	3.666 0.618 2.360 -0.510 3.061	
43 44 45 46	20937 8322 21107 7206 21107 7206 21564 5447 21564 5447 22013 6056 22013 6056	-3.768625E+00 1.793824E+00 3.537971E+00	0 832 2 873 -1 106 1 071	2.219 2.063 1.016	-0.549 0.290 0.911 -1.073	
-47	220 3 8086	2.977415E+00 1.591864E+00	-3:756 -6:825	8.787	-4 911 -0 383	

	-LOAD.YAB;2 10 (33) Load	Model Participat	DISK6:[KPC	··· j			16-DEC-88 16 12
Mode mber	Frequency	Participation Factor	Globel X Direction X 1.0E+02	Global Y Direction X 1.0E+02	Global 2 Direction X 1.06+02		
49							* .
50 51 52	22545 8320 22545 8320 23083 2813 23083 2813 23686 0039 23686 0039	-2.495060F+00 -2.024200E-01 -2.504862E+00 -3.148326E+00	1.568 0.266 -0.817 -0.013	-0.230 -0.230 -0.231 -0.78	-0.802 0.165 -2.397 -1.730 -0.288 0.608 -4.327 -0.674 -0.170		
51 62	23063 2613	-2.5048626+00	-0.817 -0.013	-0. 獲1	-2.397		
53	2568 6036 2566 0036 240 6 0034 240 6 0034 246 1 1876	3.475E34E-01	6.219	0.043	-1 739		
54 55	23565.0039 24016.6034	-2.884880E+00	0.219 -0.267 -0.194 -3.603	-0.867	0.608		
53 54 55 57	24016 9034	-2.816684E+00	3 803	0.043 -0.967 2.148 -0.939	-0.673		
58	24611.1870	1.106086E+00	-0.748 -0.317	-0.334 0.007	0.624		
58 59 60	24778 . 6283	-4.389678E+00	1.886	-9 311	-1.723		
61	25125.3250	-3 1103832+00	-3.643	0 077	-1.723 0.700 0.642 -2.391 -0.115		
62 83	25 1 25 . 3 2 5 0 25 5 3 1 3 2 6 4	-5.587186E+00	3.726	-4 423 0 008 4 591	-2.39 <u>1</u>		
<u></u>	25531 3264	-5.423200 +00	-6.797	4.591	-0.115 2.386		
62 63 64 65 66 67	24611, 1870 24611, 1870 24778, 6283 24778, 6283 26126, 3250 25126, 3250 25531, 3284 26049, 2342 26049, 2342 26532, 3401 26532, 3401	-2 8 10504 +00 3 118908 +00 1 1000005 +00 -4 305715 +00 -3 11035715 +00 -5 5871165 +00 1 2204 10 +00 -5 485315 +00 -3 485315 +00 -5 930542 +00 7 52405 7 -01	-3 546 -3 778 -0 794 -5 797 -2 70 -1 256 -2 463	1:682	0.952		
67 88	26632.3401	-5.9365425+00	2 359	-2.486 -0.434	-0.439 -2.118 0.091		
69 70	276 12 7029 276 12 7029	- 2 10847年-01	-0.453	-9.434			
70 71	27512.7029	3.094237E-01	0.057 0.185	-0.087	-0.114	•	
$-\frac{72}{73}$	27951 7870 27951 7870	-2.868882 +00 3.0942376 -01 3.4054396 -01 2.2880725 +00	-0.012 -0.109	-1.130 -0.087 -0.088 -0.590	0.456 0.276	1.	
73 74	28010 1810 28010 1810	-5.392281E-01 2.781122E+00 2.240320E+00 -2.042636E+00	-0 418	-0 103	0.004	· · · · · · · · · · · · · · · · · · ·	
76	28346 6721	2.240320E+00	1.257 -3.312 1.555	0. 131 0. 454 0. 215	-1.523 -3.324 -0.434		•
-79	28346 6721 28346 6721 28832 6606	-2.042836E+00 -4.501160E+00	1.55	0.315	-8:131		<u> </u>
72	28832 8606 29172 0119 29172 0119 29447 8676	-8 013423F-01	2 232 -0.569 -0.873	-0.115 0.239	3.001		
79	29172.0119 29172.0119	9.589444E-01 2.515712E+00	-0.873	0.236 0.609 0.67	-0. \$3 5		
81	29447.8676	-4.072245E+00 -	-0.286	-0.284	-9.215		
82 83	29447 . 8876 29667 . 1444	1.878822E+00 3.878498E+00	-0 206 1 102 0 650	-0.668 0.486	-0.535		
#-	20067 1444 20061 7578	3.878496E+00 1.872184E-01 -5.906339E+00	0.650 0.033	-0 04B	-0.630 -0.536 -0.216 -0.563 -0.563 -0.563		
96 87	29861.7678	3 385228E+00	-2.039 3.901	3.003	-7.815		
	29447 8876 29857 1444 29857 1444 29851 7678 29851 7678 30204 0613 30204 0613	3.386826E+00 -1.414363E+00 4.718620E-01	3 901 -0 310 -0 231	3 065 1 564 -0 267	-3.361 1.441 0.038		
-#-	30871.7676		-1.721 -1.721		- <u>9.934</u>	· · · · · · · · · · · · · · · · · · ·	
90 91	30871.7576	4.328798E-01	-0.038	0 109	0.251		
- 62	31021 9219 31021 9220	9 1901878-01	-1.185 -0.036 -2.104 0.229	-0.581 0.109 0.698 0.314	0 760 0 251 -0 674 -0 844		•
83 84 86	31129.1084 31129.1085	4 327 906 -01 -6 120484 +00 9 120187 -01 -6 124125 -02 -4 16685 0 +00 5 41046 +00 -3 186647 +00	-0.019	0.006	-0.002		· · · · · · · · · · · · · · · · · · ·
5	31571 9339	5.419845E+00	0.744 1.001	-0.707 0.469	2.441 2.964 -2.900	P. AO	
	31671 0330 • (33) Load	Model Participat	Λ 800	0.489 0.668	-2.800	B-49	•

IMPD2	-LOAD TAB;2		DISKE: (KP	00L)		16-DEC-88 16:1
		/	Physica	1 Load in Each	Mode/	
Mode umber	Frequency	Participation Factor	Global X Direction X 1.05+02	X 1.0E+02	Direction X 1.06+02	
97	31927 5659 31927 5890 44205 8137 44205 8714 45810 7731 46810 7731 46366 3053 46366 4829 47783 8561	-2 0330805+00 -7 5732805-01 3 142775-01 -1 3286195-01 -4 5185305-01 -2 778425-01 -1 0882325-01 2 9439535-01		1.426 -0.121 0.015		
99 100	44205 . 8137 44205 . 8714	3 142378E+01 -1.328619E-01	-0.806 0.313 -17.172 -0.009	0.015 -0.033	0.346 0.046 13.028 0.028 0.026 4.371 2.068 2.068 -2.901 -3.008	
101 102 103	46366 3063	-1:783132E+01	-2.211 -2.663 6.742	-0.033 -0.643 -3.497 -0.062 -0.062 -0.138	9:925	
104 105 106	46366 4829 47783 8305	-1.0682326+01 -2.6413316+01	-0.169	-0.062 4.247	2.068 2.002 -2.001	
			6.714			
Re: Un:	m of Modal Ph sultant of Ap scaled Ap	ysical Loads	33 . 74 1 32 . 685 3 . 8685 [E-01	26 944 21 155	-11 107 -17 823	
oad Car	se 34 Load	Modal Participa	tion Factors	2.11545E*V1	-1.78228E-01	
Mode		Plied load Plied load Model Participe Participation Factor -4.602431F-01	Globel X Direction	Globel Y Direction	Direction X 1.0E+02	
1	2682 1226	-4 R02431E-01	X 1.0E+02	X 1.0E+02	X 1.0E+02	
3	2682 1227 2682 1227 5389 7998 5389 7998 7634 7190 7634 7190	-4.802431E-01 -4.120785E-00 4.831883E-00 -2.79852E-01 -1.017852E-00 -6.82852E-00 -7.163200E-01 -2.627940E-01 -2.627940E-01 1.04396EE-01 1.04396EE-01 4.241234E-00	-0.545 -1.553 0.018	-0.115 -0.077 0.302	2 231 -13 385 -12 016 -0 200 -0 504	
<u></u>	5389 7998 7634 7190	-2 795526E-01 -1 017852E+00	0.018 -0.956	-0 077 0 302 0 012 -5 094 -2 358 -0 119	-0.200 -0.564	
7 8	9754 7032 9754 7032 9754 7032 10518 8792 10518 8782 11036 6335 11036 6335	-7 163200E-01	-0 956 33.690 0.364 -0.814	-0.544 -2.368	36 364	
18	10618 8792	2 49386 ± 88	1 078 -0 285	-1 339 -0 883	0 425 0 833 -6 283 -0 736 -0 513 -0 745 -7 083 -0 004	
11 12 13	11036 6335 11036 6335	-4.746062E-01 1.083964E+00	1 078 -0.285 0.496 0.272 0.243 -6.049	0.600 0.148	-0.513 -0.746	
14	1919 9365	-5.909473E+00 -2.973143E+00	-6.049	16.449	7.883	
16 17	1919 9365 1919 9365 12083 1289 12083 1289 12083 4254 12993 4254 13376 1488	-3.725165E+00 -1.414864E+00	-6.049 6.969 -2.713 0.183	-6.553 -3.008 -0.311	0.795 -1.804 -1.012	
18 19 20	12993 4254 13376 1488 13376 1488	8.470067E+00 1.217594E+00	0 193 1 141 0 431 -4 289 1 271	-6.553 -3.008 -0.311 -4.026 -1.316 -1.892 -0.078 -0.078 -1.301 -0.078 -1.301 -1	-2.487	
21 22 23	14957 0548 14957 0548 15395 3482 15395 3482 16340 0113 16340 0113	-1.465978E+00		-1.316 1.892	-3.467 0.266 0.020 -0.177	
23 24	15395 3482 15396 3482	-9.501386E-02 5.205270E+00	-0.021 -2.644 -0.334 -3.292 -0.060 -0.052	-0.078 4.301	-0 177 -7 7 9 3	
24 25 26 27	16340 0113 17880 1679	-1.488341E+88	-0.334 3.292	7 923 0 938	-1.624	
28	17000 1075	E 838701E-01	-0.052 -0.052 -2.222	0.458 0.781	-1.111 -0.313	
29	17880 1679 18685 9195	-3.212006E+00				
38	19695 9196	1 083864E+00 4 221234E+00 5 808478E+00 -2 973143E+00 -3 725165E+00 -1 414884E+00 8 44008E+00 -1 217584E+00 -4 238535E+00 -1 468378E+00 2 906940E-01 9 501385E-02 5 206270E+00 4 402817E+00 -1 488341E+00 -3 088189E+00 -3 088189E+00 -3 088189E+00 -3 08189E+00 -1 501782E+00	0.188	-8.226	- 8.33	
30	LOAD . YAB;2				-8.383	16-DEC-88 18 17
28 30 1MP02-	LOAD . YAB;2		DISKE:[KPO	OL]	-ò:\$£3	18-DEC-88 18:12
29 30 118-02- 31 32 33 34	LOAD . TAB; 2 18776 . 9321 18776 . 9321		DISKE:[KPO	OL]	-ò:\$£3	18-DEC-89 18 12
29 30 30 31 32 33 34 35 35 37	LOAD . TAB; 2 18776 . 9321 18776 . 9321		DISK6: [KP0 -1.778 -2.214 -0.765 6.597 11.954 -3.404	2. 798 0. 432 0. 244 -10. 487 -2. 170	-ò:\$£3	18-DEC-88 16:12
29 30 30 31 32 33 34 36 37 38 39	LOAD . TAB; 2 18776 . 9321 18776 . 9321		0.188 DISK6: [KP0 -1.778 0.214 -0.765 6.597 11.954 -0.788 -5.329 0.888	2. 798 0. 432 0. 244 -10. 487 -2. 170	-ò:\$£3	18-DEC-88 16 12
29 30 30 31 32 33 34 35 36 37 38 39 40	LOAD TAB; 2 18778 9321 18778 9321 18778 9321 19240 4923 19240 4923 19746 9190 19746 8190 20485 2283 20700 9547	1.0544195+01 -4.1964305+00 -7.7134955+00 -7.7134955+00 -2.7144975+00 5.4199195-00 -1.3403425+00 -5.5314505+00	DISK6: [KP0 -1.778 0.214 -0.765 6.597 11.854 -0.788 -5.329 0.888	0L] 2.796 6.492 -0.244 -10.467 2.170 -2.013 -0.247 -2.587 6.554 2.573	4 . 705 -0 . 741 -0 . 741 -3 . 305 0 . 174 -0 . 428 -0 . 285 0 . 285 7 . 120	18-DEC-89 18 12
29 30 30 31 32 33 34 35 36 37 38 39 40	LOAD TAB; 2 18778 9321 18778 9321 18778 9321 19240 4923 19240 4923 19746 9190 19746 8190 20485 2283 20700 9547	1.0544195+01 -4.1964305+00 -7.7134955+00 -7.7134955+00 -2.7144975+00 5.4199195-00 -1.3403425+00 -5.5314505+00	DISK6: [KP0 -1.778 0.214 -0.765 6.597 11.854 -0.788 -5.329 0.888	0L] 2.796 6.492 -0.244 -10.467 2.170 -2.013 -0.247 -2.587 6.554 2.573	4.705 -0.771 0.421 -3.505 0.174 -0.428 -0.346 -0.283 -0.283 0.009 0.432 -0.128	18-DEC-88 18:12
29 30 30 31 32 33 34 35 36 37 38 39 40	LOAD TAB; 2 18778 9321 18778 9321 18778 9321 19240 4923 19240 4923 19746 9190 19746 8190 20485 2283 20700 9547	1.0544195+01 -4.1964305+00 -7.7134955+00 -7.7134955+00 -2.7144975+00 5.4199195-00 -1.3403425+00 -5.5314505+00	DISK6: [KP0 -1.778 0.214 -0.765 6.597 11.854 -0.788 -5.329 0.888	0L] 2.796 6.492 -0.244 -10.467 2.170 -2.013 -0.247 -2.587 6.554 2.573	4.705 -0.771 0.421 -3.505 0.174 -0.428 -0.346 -0.283 -0.283 0.009 0.432 -0.128	18-DEC-88 18 12
29 30 30 31 32 33 34 35 36 37 38 39 40	LOAD TAB; 2 18778 9321 18778 9321 18778 9321 19240 4923 19240 4923 19746 9190 19746 8190 20485 2283 20700 9547	1.0544195+01 -4.1964305+00 -7.7134955+00 -7.7134955+00 -2.7144975+00 5.4199195-00 -1.3403425+00 -5.5314505+00	0.188 DISK6: [KP0 -1.778 0.214 -0.765 6.597 11.954 -0.788 -0.329 0.888 -0.030 0.146 -0.194 -1.955 -0.132 0.713 2.256	0L] 2 798 0 492 0 244 -10 487 -2 173 -0 247 -2 587 -2 587 -0 006 -0 001 0 022 -1 517 -6 528 -0 126 -0 126 -2 097	4 705 -0 771 0 44 -0 771 -3 306 0 174 -0 346 -2 806 0 263 7 130 0 639 0 439 0 439 -0 182 -0 132 -1 27	18-DEC-88 18 12
29 30 31 32 33 34 35 37 38 39 41 42 43 46 47 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8547 20704 8522 20837 8322 20107 7266 21107 7266 21107 7266 21107 7266 21107 8566 22013 8566	1.0544195+01 -4.1864305:500 -7.7134955-00 -7.7134955-00 -7.7134955-00 -7.7134955-00 -7.7134955-00 -7.7134955-00 -1.3403425-00 -3.832335-00 -3.832335-00 -3.832335-00 -5.8314505-00 -5.8314505-00 -6.8361765-01 -4.3543475-00 Modal Part (cipat	0.188 DISK6: [KP0 -1.778 0.214 -0.765 6.597 11.954 -0.788 -0.329 0.888 -0.030 0.146 -0.194 -1.955 -0.132 0.713 2.256	0L] 2 798 0 492 0 244 -10 487 -2 173 -0 247 -2 587 -2 587 -0 006 -0 001 0 022 -1 517 -6 528 -0 126 -0 126 -2 097	4 705 -0 771 0 44 -0 771 -0 346 -0 174 -0 346 -0 263 -0 186 0 263 -0 186 -0 263 -0 186	18-DEC-88 18 12
29 30 30 30 31 32 33 35 37 38 39 40 41 42 43 44 47 48 47 48 47 48 48 48 48 48 48 48 48 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8542 20837 8322 20107 7266 21107 7266 21107 7266 21107 8566 9 (34) Load	1.054419E+01 -4.196E30F+00 -1.01078E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -3.473737E-00 -5.531450E-00 -5.531450E-00 -5.531450E-00 -6.54382E-02 -7.443822E-01 -2.56084E-01 -2.56084E-01 -4.350176E-01 -7.701986E-01 -4.35437E-00 Modal Participat	DISK6: [KPC -1 778 0.214 -0.765 6.597 11.954 3.404 -0.788 -5.329 0.888 -6.329 0.146 -0.194 -1.345 -0.194 -0	0L] 2 798 0 432 0 247 -10 487 -2 170 -2 013 -0 247 -2 587 -2 587 -0 008 -0 001 0 028 -1 617 -6 828 -0 125 0 180 -2 987 Load in Each M Global Y Direction X 1.06+02	4 705 -0.771 0.441 -3.305 0.174 -0.346 -2.506 0.263 -7.120 0.009 0.439 0.132 -1.207 1.2	18-Dac-88 18 12
29 30 30 31 32 33 34 35 37 39 40 41 42 43 44 45 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8542 20837 8322 20107 7266 21107 7266 21107 7266 21107 8566 9 (34) Load	1.054419E+01 -4.196E30F+00 -1.01078E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -3.473737E-00 -5.531450E-00 -5.531450E-00 -5.531450E-00 -6.54382E-02 -7.443822E-01 -2.56084E-01 -2.56084E-01 -4.350176E-01 -7.701986E-01 -4.35437E-00 Modal Participat	DISK6: [KPC -1 778 0.214 -0.765 6.597 11.954 3.404 -0.788 -5.329 0.888 -6.329 0.146 -0.194 -1.345 -0.194 -0	0L] 2 798 0 432 0 247 -10 487 -2 170 -2 013 -0 247 -2 587 -2 587 -0 008 -0 001 0 028 -1 617 -6 828 -0 125 0 180 -2 987 Load in Each M Global Y Direction X 1.06+02	4 705 -0.771 0.441 -3.305 0.174 -0.346 -2.506 0.263 -7.120 0.009 0.439 0.132 -1.207 1.2	18-DEC-88 18 12
29 30 30 31 32 33 34 35 37 39 40 41 42 43 44 45 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8542 20837 8322 20107 7266 21107 7266 21107 7266 21107 8566 9 (34) Load	1.054419E+01 -4.196E30F+00 -1.01078E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -3.473737E-00 -5.531450E-00 -5.531450E-00 -5.531450E-00 -6.54382E-02 -7.443822E-01 -2.56084E-01 -2.56084E-01 -4.350176E-01 -7.701986E-01 -4.35437E-00 Modal Participat	DISK6: [KP0 -1.778 0.214 -0.764 -0.788 -0.329 0.888 -0.030 0.146 -0.194 -1.965 -0.132 0.713	0L] 2 798 0 432 0 247 -10 487 -2 170 -2 013 -0 247 -2 587 -2 587 -0 008 -0 001 0 028 -1 617 -6 828 -0 125 0 180 -2 987 Load in Each M Global Y Direction X 1.06+02	4 705 -0.771 0.441 -3.305 0.174 -0.346 -2.506 0.263 -7.120 0.009 0.439 0.132 -1.207 1.2	18-DEC-88 16:12
29 30 30 31 32 33 34 35 37 39 40 41 42 43 44 45 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8542 20837 8322 20107 7266 21107 7266 21107 7266 21107 8566 9 (34) Load	1.054419E+01 -4.196E30F+00 -1.01078E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -3.473737E-00 -5.531450E-00 -5.531450E-00 -5.531450E-00 -6.54382E-02 -7.443822E-01 -2.56084E-01 -2.56084E-01 -3.56176E-01 -7.701986E-01 -4.35437E-00 Modal Participat	DISK6: [KP0 -1.778 0.214 -0.765 6.597 13.404 -0.788 -5.329 0.888 -0.030 0.146 -0.194 -0.132 0.713 10n Factors 3.498 -0.132 0.713 10n Factors 3.498 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 -0.132 0.713 -0.132 -0.132 -0.132 -0.132 -0.132 -0.132 -0.133	0L] 2 798 0 432 0 247 -10 487 -2 170 -2 013 -0 247 -2 587 -2 587 -0 008 -0 001 0 028 -1 617 -6 828 -0 125 0 180 -2 987 Load in Each M Global Y Direction X 1.06+02	-0.363 -0.363 -0.363 -0.771 -0.441 -3.306 -0.174 -0.346 -0.263 -0.263 -0.120 -0	18-DEC-88 18:12
29 30 30 31 32 33 34 35 37 39 40 41 42 43 44 45 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8542 20837 8322 20107 7266 21107 7266 21107 7266 21107 8566 9 (34) Load	1.054419E+01 -4.196E30F+00 -1.01078E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -3.473737E-00 -5.531450E-00 -5.531450E-00 -5.531450E-00 -6.54382E-02 -7.443822E-01 -2.56084E-01 -2.56084E-01 -3.56176E-01 -7.701986E-01 -4.35437E-00 Modal Participat	DISK6: [KP0 -1.778 0.214 -0.765 6.597 13.404 -0.788 -5.329 0.888 -0.030 0.146 -0.194 -0.132 0.713 10n Factors 3.498 -0.132 0.713 10n Factors 3.498 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 -0.132 0.713 -0.132 -0.132 -0.132 -0.132 -0.132 -0.132 -0.133	0L] 2 798 0 432 0 247 -10 487 -2 170 -2 013 -0 247 -2 587 -2 587 -0 008 -0 001 0 028 -1 517 -6 528 -0 125 0 180 -2 987 Load in Each M Global Y Direction X 1.0E+02	-0.363 -0.363 -0.363 -0.771 -0.441 -3.306 -0.174 -0.346 -0.263 -0.263 -0.120 -0	18-DEC-88 18 12
29 30 30 31 32 33 34 35 37 39 40 41 42 43 44 45 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8542 20837 8322 20107 7266 21107 7266 21107 7266 21107 8566 9 (34) Load	1.054419E+01 -4.196E30F+00 -1.01078E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -3.473737E-00 -5.531450E-00 -5.531450E-00 -5.531450E-00 -6.54382E-02 -7.443822E-01 -2.56084E-01 -2.56084E-01 -3.56176E-01 -7.701986E-01 -4.35437E-00 Modal Participat	DISK6: [KP0 -1.778 0.214 -0.765 6.597 13.404 -0.788 -5.329 0.888 -0.030 0.146 -0.194 -0.132 0.713 10n Factors 3.498 -0.132 0.713 10n Factors 3.498 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 -0.132 0.713 -0.132 -0.132 -0.132 -0.132 -0.132 -0.132 -0.133	0L] 2 798 0 432 0 247 -10 487 -2 170 -2 013 -0 247 -2 587 -2 587 -0 008 -0 001 0 028 -1 517 -6 528 -0 125 0 180 -2 987 Load in Each M Global Y Direction X 1.0E+02	-0.363 -0.363 -0.363 -0.771 -0.441 -3.306 -0.174 -0.346 -0.263 -0.263 -0.120 -0	18-DEC-88 18.12
29 30 30 31 32 33 34 35 37 39 40 41 42 43 44 45 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8542 20837 8322 20107 7266 21107 7266 21107 7266 21107 8566 9 (34) Load	1.054419E+01 -4.196E30F+00 -1.01078E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -3.473737E-00 -5.531450E-00 -5.531450E-00 -5.531450E-00 -6.54382E-02 -7.443822E-01 -2.56084E-01 -2.56084E-01 -3.56176E-01 -7.701986E-01 -4.35437E-00 Modal Participat	DISK6: [KP0 -1.778 0.214 -0.765 6.597 13.404 -0.788 -5.329 0.888 -0.030 0.146 -0.194 -0.132 0.713 10n Factors 3.498 -0.132 0.713 10n Factors 3.498 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 -0.132 0.713 -0.132 -0.132 -0.132 -0.132 -0.132 -0.132 -0.133	0L] 2 798 0 432 0 247 -10 487 -2 170 -2 013 -0 247 -2 587 -2 587 -0 008 -0 001 0 028 -1 517 -6 528 -0 125 0 180 -2 987 Load in Each M Global Y Direction X 1.0E+02	-0.363 -0.363 -0.363 -0.771 -0.441 -3.306 -0.174 -0.346 -0.263 -0.263 -0.120 -0	18-DEC-88 18 17
29 30 30 31 32 33 34 35 37 39 40 41 42 43 44 45 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8542 20837 8322 20107 7266 21107 7266 21107 7266 21107 8566 9 (34) Load	1.054419E+01 -4.196E30F+00 -1.01078E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -3.473737E-00 -5.531450E-00 -5.531450E-00 -5.531450E-00 -6.54382E-02 -7.443822E-01 -2.56084E-01 -2.56084E-01 -3.56176E-01 -7.701986E-01 -4.35437E-00 Modal Participat	DISK6: [KP0 -1.778 0.214 -0.765 6.597 13.404 -0.788 -5.329 0.888 -0.030 0.146 -0.194 -0.132 0.713 10n Factors 3.498 -0.132 0.713 10n Factors 3.498 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 -0.132 0.713 -0.132 -0.132 -0.132 -0.132 -0.132 -0.132 -0.133	0L] 2 798 0 432 0 247 -10 487 -2 170 -2 013 -0 247 -2 587 -2 587 -0 008 -0 001 0 028 -1 517 -6 528 -0 125 0 180 -2 987 Load in Each M Global Y Direction X 1.0E+02	-0.363 -0.363 -0.363 -0.771 -0.441 -3.306 -0.174 -0.346 -0.263 -0.263 -0.120 -0	18-DEC-88 18:12
29 30 30 31 32 33 34 35 37 39 40 41 42 43 44 45 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8542 20837 8322 20107 7266 21107 7266 21107 7266 21107 8566 9 (34) Load	1.054419E+01 -4.196E30F+00 -1.01078E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -3.473737E-00 -5.531450E-00 -5.531450E-00 -5.531450E-00 -6.54382E-02 -7.443822E-01 -2.56084E-01 -2.56084E-01 -3.56176E-01 -7.701986E-01 -4.35437E-00 Modal Participat	DISK6: [KP0 -1.778 0.214 -0.765 6.597 13.404 -0.788 -5.329 0.888 -0.030 0.146 -0.194 -0.132 0.713 10n Factors 3.498 -0.132 0.713 10n Factors 3.498 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 -0.132 0.713 -0.132 -0.132 -0.132 -0.132 -0.132 -0.132 -0.133	OL] 2 798 0 432 0 2447 -10.467 -2.173 -0.247 -2.587 -0.554 -0.006 -0.001 -0.022 -1.517 -0.125 -0.125 -0.120 -2.087 Load in Each M Global Y 0.1004 -0.013 -0.124 -0.345 -0.004 -0.345	4.705 -0.353 -0.353 -0.353 -0.771 -0.471 -3.305 -0.172 -0.365 -0.128 -0.285 -0.128	18-DEC-88 18 12
29 30 30 31 32 33 34 35 37 39 40 41 42 43 44 45 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8542 20837 8322 20107 7266 21107 7266 21107 7266 21107 8566 9 (34) Load	1.054419E+01 -4.196E30F+00 -1.01078E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -3.473737E-00 -5.531450E-00 -5.531450E-00 -5.531450E-00 -6.54382E-02 -7.443822E-01 -2.56084E-01 -2.56084E-01 -3.56176E-01 -7.701986E-01 -4.35437E-00 Modal Participat	DISK6: [KP0 -1.778 0.214 -0.765 6.597 13.404 -0.788 -5.329 0.888 -0.030 0.146 -0.194 -0.132 0.713 10n Factors 3.498 -0.132 0.713 10n Factors 3.498 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 -0.132 0.713 -0.132 -0.132 -0.132 -0.132 -0.132 -0.132 -0.133	OL] 2 798 0 432 0 2447 -10.467 -2.173 -0.247 -2.587 -0.554 -0.006 -0.001 -0.022 -1.517 -0.125 -0.125 -0.120 -2.087 Load in Each M Global Y 0.1004 -0.013 -0.124 -0.345 -0.004 -0.345	4.705 -0.353 -0.353 -0.353 -0.771 -0.471 -3.305 -0.172 -0.365 -0.128 -0.285 -0.128	18-DEC-88 18.12
29 30 30 31 32 33 34 35 37 39 40 41 42 43 44 45 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8542 20837 8322 20107 7266 21107 7266 21107 7266 21107 8566 9 (34) Load	1.054419E+01 -4.196E30F+00 -1.01078E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -3.473737E-00 -5.531450E-00 -5.531450E-00 -5.531450E-00 -6.54382E-02 -7.443822E-01 -2.56084E-01 -2.56084E-01 -3.56176E-01 -7.701986E-01 -4.35437E-00 Modal Participat	DISK6: [KP0 -1.778 0.214 -0.765 6.597 13.404 -0.788 -5.329 0.888 -0.030 0.146 -0.194 -0.132 0.713 10n Factors 3.498 -0.132 0.713 10n Factors 3.498 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 -0.132 0.713 -0.132 -0.132 -0.132 -0.132 -0.132 -0.132 -0.133	OL] 2 798 0 432 0 2447 -10.467 -2.173 -0.247 -2.587 -0.554 -0.006 -0.001 -0.022 -1.517 -0.125 -0.125 -0.120 -2.087 Load in Each M Global Y 0.1004 -0.013 -0.124 -0.345 -0.004 -0.345	4.705 -0.353 -0.353 -0.353 -0.771 -0.471 -3.305 -0.172 -0.365 -0.128 -0.285 -0.128	18-02-28 18 17
29 30 30 31 32 33 34 35 37 39 40 41 42 43 44 45 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8542 20837 8322 20107 7266 21107 7266 21107 7266 21107 8566 9 (34) Load	1.054419E+01 -4.196E30F+00 -1.01078E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -3.473737E-00 -5.531450E-00 -5.531450E-00 -5.531450E-00 -6.54382E-02 -7.443822E-01 -2.56084E-01 -2.56084E-01 -3.56176E-01 -7.701986E-01 -4.35437E-00 Modal Participat	DISK6: [KP0 -1.778 0.214 -0.765 6.597 13.404 -0.788 -5.329 0.888 -0.030 0.146 -0.194 -0.132 0.713 10n Factors 3.498 -0.132 0.713 10n Factors 3.498 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 -0.132 0.713 -0.132 -0.132 -0.132 -0.132 -0.132 -0.132 -0.133	OL] 2 798 0 432 0 2447 -10.467 -2.173 -0.247 -2.587 -0.554 -0.006 -0.001 -0.022 -1.517 -0.125 -0.125 -0.120 -2.087 Load in Each M Global Y 0.1004 -0.013 -0.124 -0.345 -0.004 -0.345	4.705 -0.353 -0.353 -0.353 -0.771 -0.471 -3.305 -0.172 -0.365 -0.128 -0.285 -0.128	18-DEC-88 18:12
29 30 30 31 32 33 34 35 37 39 40 41 42 43 44 45 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8542 20837 8322 20107 7266 21107 7266 21107 7266 21107 8566 9 (34) Load	1.054419E+01 -4.196E30F+00 -1.01078E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -7.71348E-+00 -3.473737E-00 -5.531450E-00 -5.531450E-00 -5.531450E-00 -6.54382E-02 -7.443822E-01 -2.56084E-01 -2.56084E-01 -3.56176E-01 -7.701986E-01 -4.35437E-00 Modal Participat	DISK6: [KP0 -1.778 0.214 -0.765 6.597 13.404 -0.788 -5.329 0.888 -0.030 0.146 -0.194 -0.132 0.713 10n Factors 3.498 -0.132 0.713 10n Factors 3.498 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 0.713 -0.132 -0.132 0.713 -0.132 -0.132 -0.132 -0.132 -0.132 -0.132 -0.132	OL] 2 798 0 432 0 2447 -10.467 -2.173 -0.247 -2.587 -0.554 -0.006 -0.001 -0.022 -1.517 -0.125 -0.125 -0.120 -2.087 Load in Each M Global Y 0.1004 -0.013 -0.124 -0.345 -0.004 -0.345	4.705 -0.353 -0.353 -0.353 -0.771 -0.471 -3.305 -0.172 -0.365 -0.128 -0.285 -0.128	18-DEC-88 18:12
29 30 30 30 31 32 33 35 37 38 39 40 41 42 43 44 47 48 47 48 47 48 48 48 48 48 48 48 48 48 48 48 48 48	LOAD. TAB; 2 18776 9321 18776 9321 18776 9321 19240 4823 19746 9190 18746 9190 20485 2283 20485 2283 20700 9647 20700 9647 20703 8542 20837 8322 20107 7266 21107 7266 21107 7266 21107 8566 9 (34) Load	1.0544195+01 -4.1864305:500 -7.7134955-00 -7.7134955-00 -7.7134955-00 -7.7134955-00 -7.7134955-00 -7.7134955-00 -1.3403425-00 -3.832335-00 -3.832335-00 -3.832335-00 -5.8314505-00 -5.8314505-00 -6.8361765-01 -4.3543475-00 Modal Part (cipat	DISK6: [KP0 -1.778 0.214 -0.764 -0.788 -0.329 0.888 -0.030 0.146 -0.194 -1.965 -0.132 0.713	OL] 2 798 0 432 0 244 -10.487 2 170 -2 013 -0 247 -2 587 0 554 -2 006 -0 001 0 022 -1 517 -6 528 -0 125 -0 180 -2 987 Load in Each M Global in Signature X 1.05+02 0 180 -2 987 -1 180 -2 987 -1 180 -1 180 -2 180 -2 180 -2 180 -2 180 -2 180 -2 180 -2 180 -2 180 -2 180 -2 180 -2 180 -3 180	-0.363 -0.363 -0.363 -0.771 -0.441 -3.306 -0.174 -0.346 -0.263 -0.263 -0.120 -0	18-DEC-88 18.12

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					•
PMPD2-LDAD TAB;2	DYSK6 [KPO				16-DEC-88 16 12 P
80 29172.0119 -8.8044 81 29447.8676 2.1266 82 29447.8676 1.5468	10E-01 -0.837 10E-00 0.139 13E-00 0.907 162E-00 0.670	-0.327 0.148 -0.542 0.501	0.074 -0.895 -0.466		
83 29657 1444 4 0008 84 29657 1444 1 3297 85 29861 7578 -3 5261	82E+00 0 670 34E+00 0 238 86E+00 -1 217	0.601 -0.112	1,331 0,887	•	
85 29861 7578 -3 5261 86 29861 7578 -2 7745 87 30204 0613 -1 2994 88 30204 0613 -2 1182	21E+00 -3 197 85E+00 -0.285	-1.281 -0.245	2 764 1 324		
90 30871 7576 -3 8479 90 30871 7576 -5 0967	324 - 00	0.501 -0.112 -1.847 -1.281 -0.245 -0.378 -0.369 -1.281 -0.292 -0.528 -0.143 -0.143	-0.895 -0.485 1.331 0.887 -4.545 2.764 1.324 0.172 1.708 2.958 -0.020		
91 31021 9219 -1 8363 92 31021 9220 8 4673 93 31129 1084 6 8986	#86-01 -0.083 #42E-01 0.212 #82E+00 2.062	0.021 0.292 -0.528	-0.020 -0.784 0.264		
94 31129 1085 1.0010 95 31571 9339 1.3762 96 31571 9339 1.5333	27E+00 -0 150 17E+00 0 254 83E+00 -0 310	0.143 0.119 -0.319	-0.784 0.264 -0.493 0.600 1.408		
pad Case (34) Load Modal P	articipation Factors	Load in Each N	ode/		
91 31021 9219 -1 8368 92 31021 9220 8 4673 93 31129 1084 6 6986 94 31129 1085 1 0010 95 31571 9339 1 3762 96 31571 9339 1 5333 pad Case (34) Load Modal P	pation Direction Factor X 1.0E+02	Direction X 1 0E+02	Globel Z Direction X 1.0E+02		
00 04308 6000 - 0.0000	355-01	0.602 0.147 0.004 -7.683	C 167 -0.056		
99 44205 8137 8 8891 100 44205 8714 -2 8083 101 45810 7731 -2 7403 102 45810 7910 -1 8197	01E+00 -4 748 80E+01 -1 919 44E+01 13 415	-7 083 4 146	0.167 -0.056 3.602 5.851 0.156 4.451		
98 31927 5680 9 .2220 99 44205 8714 -2 8083 100 44205 8714 -2 8083 101 46810 7731 -2 7403 102 46810 7910 -1 8187 103 46366 4829 1 0487 104 46366 4829 1 0487 105 47783 8551 2 0838	44E+01 13 415 75E+01 -2 708 14E+01 -4 101 28E+01 0 168	-3.977 -3.977	4.461 -1.252		
103 46366 3063 -1 6889 104 46366 4829 1 0487 106 47783 8305 3 0096 106 47783 8551 2 0838	54E+01 8 280 87E+01 4 752	0 062 -5 029 -0 088	-1 252 -1 994 3 436 -2 129		
Sum of Modal Physical L Resultant of Applied L		-7.398 -1.022 -1.02203E-02	-11.583 -17.826 -1.78248E-01		
Unscaled Applied L	oad 4,40802E-01 -	1.02203E-02	*1.78248E-01		
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		E-	51		
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Appendix F
PERIODIC RESPONSE ANALYSIS (PRA)
SOURCE CODE

C	
READ IN PROPER DATA SETS IMPLICIT DOUBLE PRECISION (A-H,O-Z)	
The component of the	
COMMON / IMBODF / EQUIVALENCE AUX (1), AUX (2), AUX (2), AUX (2), AUX (3), AUX (4)	
COMMON / IMBODF / EQUIVALENCE AUX (1), AUX (2), AUX (2), AUX (2), AUX (3), AUX (4)	
COMMON / IMBODF / EQUIVALENCE AUX (1), AUX (2), AUX (2), AUX (2), AUX (3), AUX (4)	
COMMON / IMBODF / EQUIVALENCE AUX (1), AUX (2), AUX (2), AUX (2), AUX (3), AUX (4)	
C READ (LUNIT 1040 END=300) AUX1 AUX2 AUX3 AUX4 1020 FORMAT (IX. 1046) READ (LUNIT 1040 END=300) X1, X2, X3, X4 1020 FORMAT (IX. 1046) READ (LUNIT 1040 END=300) X1, X2, X3, X4 1020 FORMAT (IX. 1046) READ (LUNIT 1040 END=300) AUX1 AUX2 AUX3 AUX4 C READ AUXILIARY VALUES (2 LINES) READ (LUNIT 1040 END=300) X1, X2, X3, X4 1020 FORMAT (IX. 4E 13.6) READ (LUNIT 1040 END=300) X1, X2, X3, X4 1020 FORMAT (IX. 1046) READ (LUNIT 1050 END=300) IC. IEXT NMD C C CHECK FILE NAME 11= INDEX(CFIL. //) C CHECK FILE NAME 11= INDEX(CFIL. //) 12= INDEX(CFIL. //) C CHECK FILE NAME	
C READ (LUNIT 1040 END=300) AUX1 AUX2 AUX3 AUX4 1020 FORMAT (IX. 1046) READ (LUNIT 1040 END=300) X1, X2, X3, X4 1020 FORMAT (IX. 1046) READ (LUNIT 1040 END=300) X1, X2, X3, X4 1020 FORMAT (IX. 1046) READ (LUNIT 1040 END=300) AUX1 AUX2 AUX3 AUX4 C READ AUXILIARY VALUES (2 LINES) READ (LUNIT 1040 END=300) X1, X2, X3, X4 1020 FORMAT (IX. 4E 13.6) READ (LUNIT 1040 END=300) X1, X2, X3, X4 1020 FORMAT (IX. 1046) READ (LUNIT 1050 END=300) IC. IEXT NMD C C CHECK FILE NAME 11= INDEX(CFIL. //) C CHECK FILE NAME 11= INDEX(CFIL. //) 12= INDEX(CFIL. //) C CHECK FILE NAME	
28	
28	
29	
32 C 100 READ (LUNIT 1000 END=200) CFIL MFOR MSEQ MLEV MLNG, MNRC, MIGR MITY MIAX 36 1000 FORMAY (1X A24 816) 37 C READ AUXILIARY VALUES (2 LINES) 38 READ (LUNIT 1020 END=300) AUX1 AUX2 AUX3 AUX4 40 READ (LUNIT 1040 END=300) X1,X2,X3,X4 41 1020 FORMAT (1X 4613,6) 42 1040 FORMAT (1X 1044) 43 C READ IN FORMATING 45 C READ IN FORMATING 46 C READ (LUNIT 1060 END=300) IC, IEXT, NWD 47 1080 FORMAT (1X,212,110) 48 C CHECK FILE NAME. 51 I1=INDEX(CFIL /]/) 52 I12=INDEX(CFIL /]/) 53 CNAM=CFIL (1]+1 12-1)	
MIGR MITY MIAX 36	
38	
38	
43	
43	
46	
48	
51	
53	
DD IPTUNAM_EQ. (EV.RV') THEN	
PRA-SOURCE FOR: 1 Directory SAM_DISK: [FONG.SSME.SOLVE.PRA] 22-NOV-	-88 06 53
56	
58	
61 'THE NUMER OF MODES SI PREVIOUSLY DETERMINED DOES NOT'	
65	· · · · · · · · · · · · · · · · · · ·
59	
72 THE MARKER OF LOAD TIME VECTORS ST FYCEFOR THE MAXIMUM!	
73 ALLOWARIE ST /) 74 NLDTV=MXLDTV 75 MSEQ=1	
75 MSEQ=1 76	
77	
81 IF(MSEC) LT NLOADS) GO TO 160 82 NLOADS=MSEC)	
83 IF(MLOADS LE MXLOAD) GO TO 180 84 CALL EC2 (NLOADS, MXLOAD) 85 CALL EL2 (W	
86 THE LOAD CASE INPUT. ST. EXCEEDS THE ALLOWABLE NUMBER OF	
O7 JI DAD CARER #1 /)	
87	
88 MSEQ=1 89 NLOADS=MXLOAD 90 160 IF (IP EQ 0) IP=NMD 91 IF (IP EQ MD) GO TO 180	
88 MSEQ=1 89 NLOADS=MXLOAD 90 160 IF (IP EQ 0) IP=NMD 91 IF (IP EQ MD) GO TO 180	
88 MSEQ=1 89 NLOADS=MXLOAD 90 160 IF (IP EQ 0) IP=NMD 91 IF (IP EQ MD) GO TO 180	
88 MSEQ=1 89 NLOADS=MXLOAD 90 160 IF (IP EQ 0) IP=NMD 91 IF (IP EQ MD) GO TO 180	
88 MSEC 19 MSC 1	
88 MSEC 19 MSC 1	
## ## ## ## ## ## ## ## ## ## ## ## ##	

```
* PRA-SOURCE FOR ! Directory SAM_DISK: [FONG SSME SOLVE PRA]
                                                                                                                                                                                                                                              22-NOV-88 06:53
                                 ELSE
CALL EC1 (CFIL)
CALL ET1 (F)
THE FILE SC IS NOT RECOGNIZED. EXECUTION TERMINATED.')
END IF
BO TO 100
                    C 200 DO 220 I=1 NINF
IF (INF(I) NE 0) GO TO 220
CALL ECI (CNF(I))
CALL ELI ('E'
'THE INPUT FILE SC WAS NOT ON THE BCDOUT FILE.')
     118
120
121
122
123
                         220 CONTINE INPUT FILE SC WAS NOT ON THE BCDOUT FILE.')

220 CONTINE

IF (INF(3) EQ NLOADS) GO TO 240

CALL EV2 (INF(3) NLOADS)

CALL EV2 (INF(3) NLOADS)

CALL EV2 (INF(3) NLOAD CASES INPUT SI, DOES NOT EQUAL THE'

MAXIM LOAD CASE SI')

CALL EV2 (IP MXIP)

CALL EV2 (IP MXIP)

CALL EV2 (IP MXIP)

CALL EV2 (IP MXIP)

CALL EV3 (IF MXIP)

CALL EV3 (IF MXIP)

CALL EV3 (IF MXIP)

CALL EV3 (IF MXIP)

CALL EV3 (IF MXIP)

CALL EV3 (IF MXIP)

CALL EV3 (IF MXIP)

CALL EV3 (IF MXIP)

ON TO 320
                          300 CALL ELI ('E'
'END OF FILE ENCOUNTERED BEFORE EXPECTED. EXECUTION TERMINATED.')
CALL ERROR
CALL ERROR
CALL ERROR
RETURN
                      С
                       END

*DECK BCDOUT

SUBROUTINE BCDOUT (GR.FY IP NSTEPS)
     144
145
146
147
                             BCDOUT THE GENERLIZED RESPONSE AND TIME POINTS
                                  148
149
150
151
     Ĉ
                                    LUNIT=9

OPEN (LUNIT FORM='FORMATTED', STATUS='NEH')

LOC=INDEX(CFIL,']')
```

- sol	URCE FOR; 1 Directory SAM_DISK: [FONG.SSME.SOLVE.PRA]	22-NOV-88 06:5
	C GENREALIZED RESPONSE LOOP OVER TIME POINTS SET AUX2 . TO T	IME OF
	C RESPONSE	
	CFIL(LOC+1:LOC+12)='GR.RV '	
	C	
	DO 100 NS=1 NSTEPS AUX2=FT(1,NS)	
	C WRITE (LUNIT 1000) CFIL, MFOR NS MLEY MING, MARC MIGR, MITY MIAX	
	1000 FORMAT (1X,A24,818)	
	WRITE (LUNIT 1020) AUX1, AUX2 AUX3, AUX4	
	C .	
	1040 FORMAT (1X, 1044)	
	C WRITE (LUNIT 1000) IC IEXT NWD	
	WRITE (LUNIT 1080) (GR(1,NS), I=1 IP) 1080 FORMAT (1X,4E17.10)	
	100 CONTINUE	
	C TIME POINTS VECTOR	
	C CFIL(LOC+1 LOC+12)='TIME RV	
	NS=0 MLNG=NSTEPS	\mathcal{A}_{i}
	AUX2=0 0 MIGR=0	
	WRÎTE (LUNIT 1000) CFIL MFOR NS MLEV MLNG,MNRC Migr,Mity Miax	•
	WRITE (IIMIT 1020) AIN'I AIN'S AIN'S AIN'S	
	HRITE (LUNIT 1080) X1 X2 X3 X4 HRITE (LUNIT 1080) IC TEXT HUNG WRITE (LUNIT 1080) (FT(1 I) 1=1,NSTEPS)	
	C CLOSE (LUNIT)	
	C	
	Č	
	WRITE (10UT, 2200) IP1=1	
	IP2=IP1 IE(IP_QT_1)	
,	IP3=IP2 IF(IP GT.3) IP3=IP-1 IP4-IP F-2	
	IP4=IP	
	DN2=DAMP(IP2)	

-SOURCE FOR; 1 Directory SAM_DISK: [FONG.SSME.SOLVE.PRA]	22-NOV-88 06
DN3-DAMP(IP3) DN4-DAMP(IP4) TMPI=0 (1250+00/AYAN(1 00+00) FN1-WN(1P1)=TWPI FN1-WN(1P2)=TWPI FN2-WN(1P2)=TWPI FN3-WN(1P3)+TWPI	
TWPI=0 (250+00/ATAN(1 00+00)	
FN2=WN IP2 - TWPI	
FM = M(1Pd) = (MP)	
WRITE (10UT 2020) IP1 IP2 IP3 IP4 WRITE (10UT 2020) DN1 IP02 IN3 IN4 WRITE (20UT 2040) FN1 FN3 FN3 FN4	
WRITE (10UT 2040) FN1 FN2 FN3 FN4	
FNG-WN (PG) # UP) FNG-WN (PG) # UP) FNG-WN (PG) # UP) WRITE (IOUT 2000) IP1 IP2 IP3 IP4 WRITE (IOUT 2000) DN1 DN2 DN3 DN4 WRITE (IOUT 2000) WRITE (IOUT 2000) DO 120 N=1 A NS-N IF (N-DT 2) MS-NS-TEPS-1	
TF(N DT 2) NS=NSTEPS-1 IF(N EQ 4) NS=NSTEPS IF(N EQ 4) NS NSTEPS IF(N EQ 3) WRITE (IQUT 2120) WRITE (IQUT 2100) NS FT(1 NS) QF(IP1 NS) QF(IP2 NS)	
IF (N.EG.3) WRITE (IOUT_2120)	
WRITE (10UT, 2100) NS FT(1 NS), GF(1P1 NS), GF(1P2 NS), GF(1P3 NS) GF(1P4 NS)	
120 CONTINUE	
WRITE (10UT, 2000) 1P1 1P2 1P3 1P4 WRITE (10UT, 2020) DN1 DN2 DN3 DN4 WRITE (10UT, 2040) FN1 FN2 FN3 FN4 WRITE (10UT, 2080) DO 140 N=1 4	
WRITE (TOUT 3030) FN1 FN2 FN3 FN4	
NS-N IF(N EQ 4) NS-NSTEPS-1 IF(N EQ 4) NS-NSTEPS IF(N EQ 3) WRITE (IQUT_2120)	
IF(N GY 2) NS=NSTEPS-1 IF(N EQ 4) NS=NSTEPS IF(N EQ 3) WRITE (IOUT 2120) WRITE (IOUT 2100) NS FT(1,NS) GR(IP1 NS) GR(IP2 NS)	
WRITE (1001, 2100) NS.FT(), NS. (BY 1P1 NS.) (BY 1P2 NS.)	
140 CONTINUE	
SETION	
2000 FORMAT (3(1X,/), MODE: (2115.6X,2115) 2020 FORMAT (DAMPING: (2515.4) X,2515.4) 2040 FORMAT (FREQUENCY (CPS): (2515.4) X,2515.4) 2080 FORMAT (STEP TIME (26X, MODAL LOAD) SX	
2040 FORMAT FREQUENCY (CPS) 2F15 4 5X 2F15 4	
2080 FORMAT ('STEP TIME' 2(5X, 'MODAL LOAD'),5X, 2080 FORMAT ('STEP TIME' 2(5X, 'MODAL DISP'),5X, 2080 FORMAT ('STEP TIME', 2(5X, 'MODAL DISP'),5X,	
2080 FORMAT ('STEP TIME', 2(5X, 'MODAL DISP'), 5X, 2(5X, 'MODAL DISP') / 1X)	
2100 FORMAT (25, P3616.6 5X 192615.6) 2100 FORMAT (2 (2X 5X 37X / ', 7X) 5X 2(7X / ', 7X) /) 2200 FORMAT (2 (1/2) 5X 3(7X / ', 7X) 5X 2(7X / ', 7X) /)	
2200 FORMAT (/1/) 3X 5X 3(7X) / /;7X);5X 2(7X; / /;7X) / ()	
2200 FORMAT (/1/) *DECK BWRPG	
SUBROUTINE BANRPG	
C WRITE PRA BANNER	
IMPLICIT DOUBLE PRECISION (A-H Q-Z)	
IMPLICIT DOUBLE PRECISION (A-H 0-Z) CHARACTER COMMON /HEADRC/ C180X VER COMMON /HEADRC/ C180X VER	
ं	

į

COMMON /10/ IOIN IOUT	
C S S S S S S S S S S S S S S S S S S S	
C WRITE (IDUT 1000)	
WRITE (10UT 1000) 1000 FORMAT (11'1/) 244 YAMAYAYAYAYAYAYAYAYAYAYAYAYAYAYAYAYAYAY	
23X, XXXXXXXXXXX	· · · · · · · · · · · · · · · · · · ·
107 /777777777 / 30 /777777777 / 30 /777777777 / 30 /7777777777	
17Y /YYYY / '9Y /YYYY YYYY / '9Y /YYYU 'UUUU 'UUUU /'/'	
15X 'XXXX ' 3X 'XXXX	
1100 FORMAT // PERIODIC RESPONSE AMALYSIS VERSION 1 1X'/	
1200 FORMAT (1X)	
C 20X, 2 SY JUHN M. DICKENS, PH.D. 2)	
RETURN	
*DECK ERROR	
C	
C CALL ECN (C1,C2,,CN) (1 LE. N .LE .5)	1991
C 2 SET_INTEGER/REAL_VARIABLES IN ERROR MESSAGES	
C CALL ELN (KOOL LINES LN) (1 LE. N. LE .5)	
C • 'W' WARNING	
CONTINUES ON WITH PREVIOUS MESSAGE " F' STOPS WITH MESSAGE TO SEE PROGRAM DEVELOPERS	
<u>L</u>	
C 8) 63 COLUMNS 8-70 FOR aLINE (AFTER A	
C *VARCHR* MAXIMUM IS 5 (3) *55 (BOVEREND BY 19E13.5) F-3	
_	24X / MANNANANAN 2 3X / MANNANANAN 3X / MANNANAN 2 2X / MANNANANAN 2 3X / MANNANANAN 2 2X / MANNANANAN 2 3X / MANNANANAN 2 3X / MANNANANAN 2 2X / MANNANANAN 2 3X / MANNANANANAN 2 3X / MANNANANANAN 2 3X / MANNANANANAN 2 3X / MANNANANANAN 2 3X / MANNANANANAN 2 3X / MANNANANANANANANANANANANANANANANANANANA

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* PRA-SOURCE FOR 1 Directory SAM_DISK [FONG SEME SOLVE PRA]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22-NOV-88 06 53 Page 7
    IMPLICIT DOUBLE PRECISION (A-H,Q-Z)

REAL
CHARACTER*1
CHARACTER*(*)
CHARACTER*(*)
CHARACTER*(*)
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CHARACTER
CHARACTER
CHARACTER
LINE*80 VARCHR*605 CHR*100
HED1*4 C4X*4 HED2*7 HED1*7
                                                                             С
                                                                                                                        DIMENSION
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                                                                                                                                                                                                                                                   C
                                                                                                                        DATA C4X
DATA CLP CRP
DATA HEDI
                                                                                                                                                                                                                                                      /'.(, '/,),
/'ERROR . 'WARNING'
                                                                                                  STOP EXECUTION IF ANY ERRORS
                                                                                              IF (NERROR_EQ 0) RETURN
MRITE (IOUT,2100) NERROR
KKOD=0
60 COUT.NUE
60 CALL ENDIT
IF (KKOD.EQ 0) STOP
ADUMP=10+00
ADUMP=SORT(ADUMP)
IF (ADUMP NE 1.0+00) STOP
                                                                                              ENTRIES TO SET/SAVE CHARACTER VARIABLE(S) FOR ERROR LINE(S)
                                                                                                                ENTRY EC1 (CHR1)
ICR(2 2)=0
G0 T0 110
ENTRY EC2 (CHR1, CHR2)
ICR(2 3)=0
G0 T0 120
ENTRY EC3 (CHR1, CHR2, CHR3)
ICR(2 4)=0
G0 T0 130
ENTRY EC4 (CHR1, CHR2, CHR3, CHR4)
ICR(2 5)=0
G0 T0 140
ENTRY EC4 (CHR1, CHR2, CHR3, CHR4)
ICR(2 5)=0
ENTRY EC5 (CHR1, CHR2, CHR3, CHR4)
ICR(2 5)=0
ENTRY EC5 (CHR1, CHR2, CHR3, CHR4 CHR5)
ICR(2 6)=0
    382
383
384
385
                                                                                                                 ICR(1 5)=ICR(2,6)+1
```

86 87	Directory SAM_DISK:[FONG SSME SOLVE_PRA]		22-NOV-88 06 53
87 88	CHR ICR(1.5) ICR(2.5)) CHRE		
89	ICR(2,4)=ICR(2,5)+1 ICR(2,4)=ICR(2,5)+1 FN(CMP4)		· · · · · · · · · · · · · · · · · · ·
90 91	130 CHR (ICR (1,4)) ICR (2,4)) • CHR4		
21 22	ICR(2,3)=ICR(2,4)+IFN(CM2)		* • •
93 04	CHR (ICR (1,3)) ICR (2,3)) CHR3		
95			
93 94 95 96	CHR (ICR (1,2); ICR (2,2)) = CHR2		
38	ICR (2,1) = ICR (2,2)+LEN(CHR1)		•
8	RETURN RETURN		
1 2	C CUTTORES ASS		
4	C ENTRIES FOR SET/SAVE INTEGER/REAL VARIABLES FOR ERROR LINE(S	;)	•
)4)5	ENTRY EV5 (R1 R2 R3 R4 R5)		
)E	90 TO 260		
7 8	ENTRY EVA (R1 R2 R3 R4)		•
9	GO TO 240		
0	ĔŇŤŔŸ ĔŸĴ (R1 R2.R3) IEV=3		
2	GO TO 230		•
3	ĔŇŤŔŸ ĔŸŽ (R1_R2) IEV=2		
<u> </u>	CO TO 220		
7	ENTRY ÉVÍ (R1) IEV=1		
8	GO TO 210		
8	250 R(5) • R5		
1	240 R(4) • RÅ		
<u> </u>	230 R(3) =R3 		
4	210 P(1)=01		
234 5 67	IF (NRWO'S EQ. 1) THEN DO 280 IV=1 IEV RICIV = RICIV RICIV		
7	PI(IV)=R(IV)		•
4			
Ď	ELSE DO 290 IV=1 IEV R(IV)=R(1 IV)		
2	290 CONTINUE		
3 4	ENO TE		
5	RETURN		
5	C ENTRIES FOR PRINTING ERROR LINE(S) AFTER ANY VARIABLES HAVE BE INITIALIZED A DOLLAR CHARACTER (SI SR SC) PRINTS A VAR C TYPE DECLARED BY CHARACTER FOLLOWING S) IN THE MESSAGE LINE C WITH THE VARIABLE DISPLAYED IN PARENTHESIS.		
ģ	C TYPE DECLARED BY CHARACTER (SI SR SC) PRINTS A VAR	IABLE	
9 —	C WITH THE VARIABLE DISPLAYED THE DABBING OF IN THE MESSAGE LIN	F-4	

	URCE FOR: 1 Directory SAM_DISK: [FONG: SSME: SOLVE PRA]	22-NOV-88 06:53
496 497	IF(LINE(N N) NE '\$') GO TO 420	
400	C=LINE(N+1 N+1)	
499 500	C TE(C EQ.(1/) THEN	
501	IF(C.EQ.'I') THEN NIR*NIR*1	
499 500 501 502 503	WRITE (VARCHR(LV(1,ND):),2010) I(NIR)	
	FIRE TE(C EO (D)) THEN	
506 506 507	HRITE (VARCHR(LV(1,ND):), 2020) R(NTR)	
508	ELSE IF(C EQ 'C') THEN	
509 510	NCV=NCV+1	
511	NN-ICR(2 NCW)-ICR(1 NCW)	
512 513	ELSE	
514 515	END IF	
516	C ND1=ND+1	
517 518	ND1=ND+1 C(2-ND_)=N-1	
519	LC(1 ND1)=N+2 LV(2,ND)=LV(1,ND)+NN	
520 521	LV(1 ND1)=LV(2 ND)+1 420 CONTINUE	
522 523	C	
524	IF(ND EQ.O) THEN WRITE (IOUT, 2040) HED1, HED2; LINE(1:NCL)	
525 526	ELSE	
526 527	LC(2 ND1)=NCL WRITE (10UT, 2000) HED1, HED2 (LINE(LC(1 N): LC(2 N)) CLP	
528 529 530	WRITE (10UT, 2000) HED1 HED2 (LINE(LC(1 N) LC(2 N)) CLP VARCHR(LV(1 N) LV(2 N)) CRP N=1 ND) LINE(LC(1, ND1) LC(2, ND1))	
530	ENU IF	
531 532 533 534 535 536 537	HED1=C4X HED2=HEDI(3)	
533 534	C C	
535	IF(KOD EQ 'F') GO TO 540 IF(NERROR GE MAXERR) GO TO 40	
536	IF(NERFOR GE_MAXERR) GO TO 40	
538 53 9	Č	
540	540 KKOD-1 WRITE (IOUT 2120)	
542		
543	E C	
541 542 543 544 545	2000 FORMAT (A4 A7.1X 10(A,A1,A.A1),A) 2010 FORMAT (IS)	
546 547	2020 FORMAT (1PE13 5)	
548	2040 FURMAT (A4,A7,1X A)	
549 550	2000 FORMAT (1X) / ***(' 12 ') FATAL ERRORS DETECTED //,	

```
* PRA-SOURCE FOR: 1 Directory SAM_DISK [FONG SSME SOLVE PRA]
                                                                                                                                                                                                                                                    22-NOV-88 06 53
                      2120 FORMAT (12X 'SEE PROGRAM DEVELOPERS')
    C END

*DECK INTPLD

SUBROUTINE INTPLD
                             INTERPLOATE LOADS
                                   IMPLICIT DOUBLE
COMMON /CONSTS/
COMMON /ARRYS/
                                                                    PRECISION (A-H 0-2)

IP NSTEPS NLOTV NLOADS

WN (500) DAMP(500) TLVEC(103 10) TLVEC(103 10),

GF(500 200) FT(2,200) PFL(500 200)
   FIND MAXIMUM TIMES
                            TMAX=0 OD+00

DO 100 NL=1 NLDTV

DO 40 K=1 100

IF(ILVEC(K|NL) EQ 0) GO TO 60

KCK

CALL EL1 (W)

CALL EL1 (W)

CALL EL1 (W)

CALL EL1 (W)

TOR LOAD TIME HISTORY $1 LAST LOAD CASE WAS AT 100')

60 ILVEC(103 NL)=KK

TLVEC(103 NL)=TLVEC(KK NL)

TMAX=MAX(TMAX TLVEC(KK NL))
                                   IF(TLVEC(1,NL) EQ 0.00+00) GO TO 100
CALL EV3 (NL TLVEC(1,NL) ILVEC(1,NL)
CALL EL2 (W)
FOR LOAD TIME HISTORY $1 THE INITIAL TIME IS $R.
FOR TIME ZERO THE LOAD CASE IS SET TO $1 ')
                            /FOR TIME ZERO THE L=KK DO 80 K=1 KK TIVEC(L+1 NL)=TIVEC(L-NL) TIVEC(L+1 NL)=TIVEC(L-NL) CONTINUE KK=K+1 TIVEC( 1 NL)=KK TIVEC( 1 NL)=KK TIVEC( 1 NL)=0.00+00
                      С
                            100 CONTINUE
                            FIX ALL TABLES AT MAXIMUM TIME
                                   604
605
```

	FOR; 1 Directory SAM_DISK: [FONG.	. SSME . SOLVE . PRA J				22-NO	V-88 06 53
606 607 608	'LOAD TIME CASE SI MAXIM 'MAXIMIM TIME FOR ALL LO 'ADDED AN ADDITIONAL TIME	NUM TIME IS SR AND!					
608 609	'ADDED AN ADDITIONAL TIME	POINT. 7)					··
610 611	ÎLVÊÇ(KK ML)=KK ILVEÇ(KK ML)=ILVEÇ(KK-1 NL)						•
612	TLVEC(RK, NL) TMAX	***************************************					
613 C 614 615	160 IF: ILVEC(1, NL) EQ. ILVEC(KK NL) CALL EVA (N ILVEC(1, NL), KR, IL CALL EVA (N ILVEC(1, NL), KR, IL CALL EVA (N ILVEC(1, NL), KR, IL LOAD CASE \$1, AT TIME=0 LOAD 200 CONTINUES FE \$1, THE LOAD VECTOR 200 CONTINUES)) 90 TO 200					
616 617	CALL EL2 (7E)	AD MECTOD TO ST AND AT THE LACT!					
618 619	TIME STEP SI, THE LOAD VECTOR	IS SI WHICH MUST BE EQUAL 2)					
520 C 521 C 522 C	INTERPOLATE FOR GERALIZED LOADS						
22 Č	· · · · ·				•		
24	CALL ERROR DT=TMAX/(NSTEPS-1) T=0 00+00			······································			
25 26 227 28 30 30 31 32 33 34 35 36 37 38 39	DO 280 NS=1 NSTEPS ET(1 NS) T						
28	F†(2 NS)=0 00+00			*			
Ö	00 240 I=1 IP GE(1 NS)=0 00+00						
2	240 CONTINUE			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
4	240 CONTINUE 280 CONTINUE FT 1 NSTEPS: *TMAX		•		·		
6	DO 360 NL+1 NLDTV						
38	II=7 IL1=ILVEC(II NL) TL1=TLVEC(II NL)						
10	11=11+1						
41 42	ÎL2=ÎLVEC(II NL) TL2=TLVEC(II NL) DO 340 NS=1 NSTEPS						
4	DO 340 NS#1 NSTEPS		<u> </u>				
15 16	7 FFT(1 NS) 280 IF(T.LE TL2) GO TO 300 IL1=ILVEC(II NL) T1=ILVEC(II NL)						
1 7							
9	IL2=ILVEC(II NL) IL2=ILVEC(II NL)					-	
1	GO TO 280		-				
19 50 1 1 2 3 4	300 TT*(T-TL1)/(TL2-TL1) DO 320 I=1 IP						
55	300 T7 = (7 - TL1) / (TL2-TL1) 00 320 T=1 [P GF(I NS) = GF(I NS) + PFL(I IL1) 220 CONTINUE) + (PFL(I IL2)-PFL(I,IL1))*TT					
56 56 57 58 C 60 C	340 CONTINUE 360 CONTINUE	F-6					
58 C	FINAL REDUNDANT CHECK	r-0					

-SOURCE FOR: 1 Directory SAM_DISK [FONG SSME SOLVE PRA]	22-NOV-88 06
	, , , , , , , , , , , , , , , , , , , ,
Trium(1 1/ RU MR(1 NSTEPS)) GO TO 400 CALL EV3 (1.GF(1.1) GF(1.NSTEPS)) CALL EV3 (1.GF(1.1) GF(1.NSTEPS))	
DO 400 I=1 IP IF(GF(I 1) EO GF(I MSTEPS)) GO TO 400 CALL EV3 (I GF(I 1) GF(I NSTEPS)) CALL EV3 (I GF(I 1) GF(I NSTEPS)) CALL EV3 (I GF(I 1) GF(I NSTEPS)) FOR MODE SI THE INITIAL LOAD SR , DOES', MOT EQUAL THE FINAL LOAD SR ,	
Č CALL ERROR RETURN	
RETURN END *DECK PRA	
PROGRAM PRA	
*DECK PRA PROGRAM PRA C PROGRAM TO CXALCULATE THE PERIODIC RESPONSE (IN THE TIME DOMAIN) FOR C AN APPLIED PERIODIC TIME DOMAIN LOADING PROGRAM COMPUTES THE	
GENERALIZEU RESPONSE UNLY	
THERE IS NO INPUT TO THE PROGRAM EXCEPT THE *BCDIN* FILE "FORTRAN C UNIT 8" (VAX-FOROOS DAT) NUMBER OF STEPS IS CONTROLLED BY SETTING C "NSTEPS" BELOW. THE NSTEPS MIST INCLUDE THE FIRST AND LAST POINTS OF C THE LOADING THE PERIOD (THERE ARE CHECKS TO SEE THAT THE FIRST TIME C POINT LOADING AND LAST TIME DANT LOADING ARE THE SAME). EVERTHING C ELSE SHOULD BE SET BY "BCDIN" FILE.	·
C THE LOADING TIME PERIOD (THERE ARE CHECKS TO SEE THAT THE FIRST TIME POINT LOADING AND LAST TIME POINT LOADING ARE THE SAME). EVERTHING	
C OUTPUT IS A LITTLE PRINT-OUT BUT REALLY IS *BCOOUT* FILE "FORTRAN UNIT 9" (VAX*FORO) DAT)	- -
Č THIS IS A VAX DOUBLE PRECISION VERSION. TO CREATE A SINGLE PRECISION C (PRONOUNCED CRAY) IN THE EDITOR: C "S/D+OO//W" AND C "S/C IMPLICIT DOUBL/ IMPLICIT DOUBL/W"	
C "\$/C IMPLICIT DOUBL/ IMPLICIT DOUBL/W" C THIS HASN'T BEEN DONE SO WOULD ALSO HAVE TO DEBUG	
C UMD 9/18/88	
IMPLICIT DOUBLE PRECISION (A-H 0-Z) COMMON /CONSTS/ IP NSTEPS NLDTV NLOADS MXIP MXSTEP MXLDTV MXLOAD	
IMPLICIT DOUBLE PRECISION (A-H 0-Z)	
COMMON /ERRCSZ/ 2CR(2 6) COMMON /ERREVN/ I(5) RS(2 5) COMMON /ERRTOT/ NERROR MAXERR, NRWDS COMMON /IO/ ITX, IOUT	
COMMON /10/ 11X,180Y	
C IOUT = 6 MAXER = 50 CALL PROPRS (NRWDS) CALL BANKEPS	
CALL PROPRS (NRWDS)	
<u>C</u>	
CALL BANRPG C IP =0	
<u>C</u>	22-Nov-ss os
-SOURCE FOR; 1 Directory SAM_DISK: [FONG.SSME.SOLVE.PRA]	22-NOV-88 06
-SOURCE FOR: 1 Directory SAM_DISK: [FONG.SSME.SOLVE.PRA] MXIP =500 NSTEPS= 72 + 1 MXSTEP=200 NU DTV =0	22-NOV-98 06
-SOURCE FOR; 1 Directory SAM_DISK: [FONG.SSME.SOLVE.PRA] MXIP = 500 NSTEPs= 72 + 1 MXSTEPs200 NLDTV = 0 MXLDTV = 10 NLDTV = 10 NLDTV = 10 NLDTV = 10	22-NOV-88 08
-SOURCE FOR; 1 Directory SAM_DISK: [FONG.SSME.SOLVE.PRA] MXIP =500 NSIEPS= 72 + 1 MXSTEP=200 NLDTV=00 MXLDTV=10 NLOAD=200	22-NOV-88 06
-SOURCE FOR: 1 Directory SAM_DISK: [FONG.SSME.SOLVE.PRA] MXIP =500 NXIEPS= 72 + 1 MXSTEP200 NLDTV=0 MXLDTV=10 NLDAD=200 C TEST PROGRAM	22-NOV-88 08
-SOURCE FOR: 1 Directory SAM_DISK: [FONG.SSME.SOLVE.PRA] MXIP =500 NXIEPS= 72 + 1 MXSTEP200 NLDTV=0 MXLDTV=10 NLDAD=200 C TEST PROGRAM	22-NOV-48 06
-SOURCE FOR: 1 Directory SAM_DISK: [FONG. SSME.SOLVE.PRA] MXIP = 500	22-NOV-98 06
-SOURCE FOR: 1 Directory SAM_DISK: [FONG.SSME.SOLVE.PRA] MXIP =500 NSTEPS= 72 + 1 MXSTEP=200 NLDTV=00 MXLDTV=10 NLDADS=0 MXLDAD=200 C TEST PROGRAM ITEST=0 IF(ITEST_EQ.0) GO TO 20 CALL TESTRA GO TO 120 C INPUT DIAL BCDOUT DATA SETS.	22-NOV-98 06
-SOURCE FOR: 1 Directory SAM_DISK: [FONG. SSME.SOLVE.PRA] MXIP =500 NSIEPS= 72 + 1 MXSTEP=200 NLDTV = 00 NLDTV = 10 NLADS=0 MXLDAD=200 C TEST PROGRAM ITEST=0	22-NOV-88 08
-SOURCE FOR; 1 Directory SAM_DISK [FONG.SSME.SOLVE.PRA] MXIP =500 NSIEPS= 72 + 1 MXSP=200 NLDTV =0 NLDTV =0 NLDTV =0 MXLDTV =10 NLDADS=0 MXLDAD=200 TEST PROGRAM ITEST=0 =0 GO TO 20 CALL TESTRA GO TO 120 CALL BCDIN CALL INTPLD SET DAMPING	22-NOV-98 08
-SOURCE FOR; 1 Directory SAM_DISK [FONG.SSME.SOLVE.PRA] MXIP =500 NSIEPS= 72 + 1 MXSP=200 NLDTV =0 NLDTV =0 NLDTV =0 MXLDTV =10 NLDADS=0 MXLDAD=200 TEST PROGRAM ITEST=0 =0 GO TO 20 CALL TESTRA GO TO 120 CALL BCDIN CALL INTPLD SET DAMPING	22-NOV-93 06
-SOURCE FOR: 1 Directory SAM_DISK [FONG.SSME.SOLVE.PRA] MXIP =500	22-NOV-88 08
-SOURCE FOR; 1 Directory SAM_DISK [FONG.SSME.SOLVE.PRA] MXIP =500 NSTEPS= 72 + 1 MXSTEP=270 NLDTV = 0 MXLDTV = 0 MXLDTV = 10 MXLDADS=0	22-NOV-88 08
-SOURCE FOR; 1 Directory SAM_DISK [FONG.SSME.SOLVE.PRA] MXIP =500 NSTEPS= 72 + 1 MXSTEP=270 NLDTV = 0 MXLDTV = 0 MXLDTV = 10 MXLDADS=0	22-NOV-48 06
-SOURCE FOR: 1 Directory SAM_DISK: [FONG. SSME. SOLVE.PRA] MXIP = 500 NSIEP= 200 NSIEP= 200 NSIEP= 200 NSIED= 200 NSIED= 200 NSIED= 200 MXIDD= 200 TEST PROGRAM ITEST = 0 0 GO TO 20 CALL TESTRA GO TO 120 C INPUT DIAL BCDOUT DATA SETS. 20 CALL INTELD C SET DAMPING. DO 80 N=1 IP DAMP(N)=0 001D+00 80 CONTINUE C EVALUATE PERIODIC RESPONSE CALL PRESPA (NN DAMP OF FT GR NSTEPS, IP, NSTEPS) C OUTPUT GENERALIZED RESPONSE AND TIMES 120 CALL BCDOUT (OR FT IP NSTEPS)	22-Nov-88 08
-SOURCE FOR: 1 Directory SAM_DISK: [FONG. SSME. SOLVE.PRA] MXIP = 500 NSIEP= 200 NSIEP= 200 NSIEP= 200 NSIED= 200 NSIED= 200 NSIED= 200 MXIDD= 200 TEST PROGRAM ITEST = 0 0 GO TO 20 CALL TESTRA GO TO 120 C INPUT DIAL BCDOUT DATA SETS. 20 CALL INTELD C SET DAMPING. DO 80 N=1 IP DAMP(N)=0 001D+00 80 CONTINUE C EVALUATE PERIODIC RESPONSE CALL PRESPA (NN DAMP OF FT GR NSTEPS, IP, NSTEPS) C OUTPUT GENERALIZED RESPONSE AND TIMES 120 CALL BCDOUT (OR FT IP NSTEPS)	22-NOV-98 08
-SOURCE FOR: 1 Directory SAM_DISK [FONG.SSME.SOLVE.PRA] MXIP =500 NSTEPS= 72 + 1 MXSTEP=200 NLDTV = 0 MXLDTV=10 MXLDTV=10 MXLDTV=10 MXLDAD=200 TEST PROGRAM ITEST=0 CALL TESTRA CO 10 120 CIMPUT DIAL BCDOUT DATA SETS 20 CALL BCDIN CALL INTPLD CS SET DAMPING DAMP(N)=0 001D+00 80 CONTINUE CALL PRESPA (MA DAMP OF FT OR NSTEPS) C OUTPUT GENERALIZED RESPONSE AND TIMES C 120 CALL BCDOUT (OR FT IP MSTEPS) *DECK PROPRS SUBROUTINE PROPRS (MPR)	22-NOV-48 06
-SOURCE FOR: 1 Directory SAM_DISK [FONG.SSME.SOLVE.PRA] MXIP =500 NSTEPS= 72 + 1 MXSTEP=200 NLDTV = 0 MXLDTV=10 MXLDTV=10 MXLDTV=10 MXLDAD=200 TEST PROGRAM ITEST=0 CALL TESTRA CO 10 120 CIMPUT DIAL BCDOUT DATA SETS 20 CALL BCDIN CALL INTPLD CS SET DAMPING DAMP(N)=0 001D+00 80 CONTINUE CALL PRESPA (MA DAMP OF FT OR NSTEPS) C OUTPUT GENERALIZED RESPONSE AND TIMES C 120 CALL BCDOUT (OR FT IP MSTEPS) *DECK PROPRS SUBROUTINE PROPRS (MPR)	22-Nov-88 08
-SOURCE FOR; 1 Directory SAM_DISK [FONG.SSME SOLVE.PRA] MX IP = 500 MSTEP= 200 MSTEP= 200 MSLDTV = 10 MSLDTV = 10 MSLDAD= 200 TEST PROGRAM ITEST=0 0) GO TO 20 CALL TESTRA GO TO 120 C INPUT DIAL BCDOUT DATA SETS. 20 CALL RODIN CALL INTPLD SET DAMPING DO 80 N=1 IP DAMP(N)=0 0010+00 SO CONTINUE C EVALUATE PERIODIC RESPONSE CALL PRESPA (MM DAMP OF FT OR MSTEPS) C OUTPUT GENERALIZED RESPONSE AND TIMES C OUTPUT GENERALIZED RESPONSE AND TIMES C TO CALL BCDOUT (OR FT IP MSTEPS) C THIS ROUTINE MILL SET THE PRECISION OF A PROCESSOR (IF IT IS CALLED C PROPERLY) SMR* IS RETURNED AND GIVES THE NAMERO OF MY SIGHT WIDES C PROCERTY) SMR* IS RETURNED AND GIVES THE NAMERO OF MY SIGHT WIDES C PROCERTY OF MRS OF THE PRECISION OF A PROCESSOR (IF IT IS CALLED C PROPERLY) SMR* IS RETURNED AND GIVES THE NAMERO OF MY SIGHT WIDES C PROCESSOR METSTA WIDES OF SPOCESSOR HETSTE HAS BUT THE	22-Nov-88 08
-SOURCE FOR; 1 Directory SAM_DISK [FONG.SSME SOLVE.PRA] MX IP = 500 MSTEP= 200 MSTEP= 200 MSLDTV = 10 MSLDTV = 10 MSLDAD= 200 TEST PROGRAM ITEST=0 0) GO TO 20 CALL TESTRA GO TO 120 C INPUT DIAL BCDOUT DATA SETS. 20 CALL RODIN CALL INTPLD SET DAMPING DO 80 N=1 IP DAMP(N)=0 0010+00 SO CONTINUE C EVALUATE PERIODIC RESPONSE CALL PRESPA (MM DAMP OF FT OR MSTEPS) C OUTPUT GENERALIZED RESPONSE AND TIMES C OUTPUT GENERALIZED RESPONSE AND TIMES C TO CALL BCDOUT (OR FT IP MSTEPS) C THIS ROUTINE MILL SET THE PRECISION OF A PROCESSOR (IF IT IS CALLED C PROPERLY) SMR* IS RETURNED AND GIVES THE NAMERO OF MY SIGHT WIDES C PROCERTY) SMR* IS RETURNED AND GIVES THE NAMERO OF MY SIGHT WIDES C PROCERTY OF MRS OF THE PRECISION OF A PROCESSOR (IF IT IS CALLED C PROPERLY) SMR* IS RETURNED AND GIVES THE NAMERO OF MY SIGHT WIDES C PROCESSOR METSTA WIDES OF SPOCESSOR HETSTE HAS BUT THE	22-NOV-49 06
SOURCE FOR: 1 Directory SAM_DISK: [FONG.SSME.SOLVE.PRA] MX = "500	22-Nov-88 08
-SOURCE FOR: 1 Directory SAM_DISK [FONG.SSME.SOLVE.PRA] MX IP =500 MX IP =500 MX IP =500 MX IP = 500 MX	22-Nov-88 08
SOURCE FOR: 1 Directory SAM_DISK: [FONG.SSME.SOLVE.PRA] MX = "500	22-Nov-88 08

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* PRA-SOURCE FOR; 1 Directory SAM_DISK: [FONG SSME SOLVE PRA]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22-NOV-88 06:53
                                                                                                                                                                                                                    NTIME, NM, NPTS)
                                                                                DRIVER ROUTINE FOR SOLUTION OF PERIODIC RESPONSE IN THE TIME DOMAIN.
                                                                                                    IMPLICIT DOUBLE PRECISION (A-H.O-Z)
DIMENSION FQ(NM) DAM(NM) PTF(500,1) X(NM,NTIME) PA(2,1)
                                                                                                  DDT=(PA(1 NPTS)-PA(1,1))/(NTIME-1)
DO 200 M=1,NM
W=FQ(N)
DAMP=DAM(M)
WWWWWW
ZW=DAMP=W
TZW=2 OD+OO=ZW
WD=W+SQRT(1,0D+OO-DAMP**2)
FB=TZW/WW
FV=ZW-WW
FV=ZW-WW
FV=ZW-WW
FV=ZW-WW
FV=ZW-WW
FB=ZW-ZW-WW
FB=ZW-ZW-WW
FB=ZW-ZW-WW
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FD=ZW-
           V0=0 00+00

VD0=0 00+00

D0 20 NS=1 NPTS

PA(2 MS)=PTF(M,NS)

CONTINUE

CALL PRESPB (W DAMP PA NPTS VO VD0, IRES)
                                                                С
                                                                                IF(IRES EO 0 00+00) GO TO 60

CALL EV1 (M)
CALL EL2 (/e/
/RESONANCE IN MODE $1 SOLUTION FOR THIS MODE IS UNDEFINED./,
/RESET DAMPING TO A LARGER VALUE AND RERUN /)
DO 40 I=1 NTIME
X(M I)=0 0D+00

40 CONTINUE
GO TO 200
                                                                                 60 L=1
II=1
X.M_1)=V0
                                                                                 80 B=:PTF(M II+1)-PTF(M II))/(PA(1,II+1)-PA(1,II))
A=PTF(M II)
DELT=PA(1,II+1)-PA(1,II)
                                                                        120 EX=EXP(-ZW*DELT)
FT*WD*DELT
CS=COS(FT)
SN*STN(FT)
VT*(VD0+ZW*VO-FA*A+FBB*B)*SN/WD
VT*VT+(VO-A/WW+FB*B)*SST/WW
VD7*(A-WW*VO-ZW*(VD0+B/WW))*SN/WD
                                                               Ĉ
           818
819
820
821
822
823
            <del>824</del>
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RA-SOURCE	FOR; 1 Directory SAM_DISK: [FONG. SSME. SOLVE.PRA]		22-NOV-88 06:53 Pa
26 27	VDT=EX+((VDO-B/WW)+CS+VDT)+B/WW VDDT=(R+FV+VO+FVD-7W+A)/WD		
27 28	VDOT=(R+FV=V0+FVD-7V=A)/VD VDOT=EX+((A-WW+V0-T2W+VD0)+CS+VDDT+SN)		
29 30	V0=VT VD0=VDT		
31 C	11-11-1		
33	[ā[•	·
33 34 35 36	X(M L) = VT TE((LT NPTS) on TO PO		
36 37 C	TE((IT NPTS) GO TO 80		
38	RETURN		1
39 40 *	DECK PRESPB		
41	SUBROUTINE PRESPR (W DAMP PA NPTS GO		
42 43 C	GDO TRES)	¥.	·
44 C	DETERMINE PRETODIC RESPONSE INITIAL CONDITIONS		
46	IMPLICIT DOUBLE PRECISION (A-H,0-Z) DIMENSION PA(2 NPTS)		
47 48 C	DIMENSION PA(2 NPTS)		
49 Č			
50 51	WW=W≠W ZW=DAMP≠W		1
51 52 53 54 0 55 0 56 0	ZU-DAMPau WD-W-SORY(1.00+00-DAMPa+2) TZW-2.00+00+0AMP/W		
<u>54</u> (
5.6	1 ZERO INITIAL CONDITIONS		
57 58	D0 10 I=2 NPTS DT=PA(1 I)-PA(1 I=1) A1=(PA(2 I)-PA(2 I=1))/WW/DT A0=PA(2 I=1)/WW-T2W=A1	· ·	i
59	A1=(PA(2,1)-PA(2,1-1))/WW/DT		
60 61	A0=PA(2, T-1)/WW-TZW=A1 A2=G0-A0	· · · · · · · · · · · · · · · · · · ·	
62	ÂĴ=(GOO+ZW#A2-A1)/WD TEMP=EXP(-ZW#DT)		
63 64	TEMP=EXP(-ZW+DT) VDOT=VD+DT		
65 66	WOOT - WIDOT EXPCOS = TEMP = COS (WOOT) EXPS IN = TEMP + S IN (WOOT)		
67	G0+A0+A1+DT+A2+EXPCOS+A3+EXPSIN G00-A1+(WD+A3-ZW+A2)*EXPCOS-(WD+A2+ZW+A3)*EXPSIN		
68 69	GDO=A1+(WD=A3-ZW+A2)*EXPCOS-(WD+A2+ZW+A3)*EXPSIN 10 CONTINUE	3	
7 0 0			
71 8	2. INFLUENCE DUE TO LINIT INITIAL DISPLACEMENT AND VELOC	LTY	
73 7 4	DT=PA(1 NPTS)-PA(1,1)		
/15 16	WDDT=WD+DT TEMP=EXP(-ZW+DT)		
76 77	EXPCOS*TEMP*COS(WOOT) EXPSIN=TEMP*SIN(WOOT)		
78	A3=ZW=EXPSIN/WD F-8 G11=EXPCOS+A3	3	<u></u>
79 80	G11*EXPCOS+A3 G21*-WD*EXPSIN-ZW*A3		
	CALL THE THEIR GATE GRANDS		i

A-SOURCE	A minimum from page speed trum?		22-NOV-88 06 53
2 .	G12=EXPSIN/WD G22=EXPCDS-A3		
5 CC	3 SOLVE FOR BOUNDARY CONDITIONS RESONANCE DEFINED AS 10(10) MAGNIFICATION FACTOR.		
7 8 9	IRES=1 RES=10.0D+00**(-10) G11*G11-1.00+00		
	G22=G22-1 00+00 IF(ABS(G11) LT RES OR ABS(G22) LT RES) G0 T0 100 TEMP=G21/G11 G22=G22-TEMP=G12 G00=(-G00+TEMP=G0)/G22 G0=(-G0-G12=G00)/G11 TPE=00	· · · · · · · · · · · · · · · · · · ·	
	TEMP=021/011 022-022-TEMP=012		
-	G0=(-G0-G12*G00)/G11 IRES=0		
C			
	100 RETURN DECK READIT		
	SUBROUTINE READIT		· · · · · · · · · · · · · · · · · · ·
Č	READ IN APPRORPRIATE FILE. IMPLICIT DOUBLE PRECISION (A-M 0-7)		
	IMPLICIT DOUBLE PRECISION (A-H.O-Z)		
	COMMON /ARRYS/ HN(500) DAMP(500) ILVEC(103 10) TLVEC(103,10), GF(500, 200) FT(2, 200) PFL(500, 200)		
Ç			
	ENTRY EVRM (IC. IEXT, NWD1)		
	DO 120 I=1 NWD1 4 READ (LUN 1010 END=900) LINE 11=1		
	IF 11 GT IP) GO TO 120 12-MIN (IP 11+3)		
	READ (LINE, 1000 END=900) (WN(J) J=I1,I2) 120 CONTINUE DO 140 [=1,IP]		
	WN(I)*SQRT(WN(I)); 140 CONTINUE		
	1000 FORMAT (1X 4E17 10) 1010 FORMAT (AS9)		
С		and the second	
	ENTRY LTHCRM (IC IEXT NRS NL) INTTY=2 DO 220 I=1 NRS IF(I NE 1)		
	READ (LUM 1020 END=900) IC LEXT, NWD2 IF (I EQ NRS) 00 TO 240		
SOURCE			22-NOV-88 06:53
SOURCE	READ (LUN 1040 END=900) ILVEC(I NL)		22-NOV-88 06:53
SOURCE	READ (LUN 1040 END=900) ILVEC(I NL)		22-NOV-88 06:53
SOURCE	READ (LUN 1040 END=900) ILVEC(I NL) READ (LUN 1020 END=900) IC EXT NHD2 READ (LUN 1000 END=900) TLVEC(I NL) 220 CONTINUE 240 READ (LUN 1040 END=900) IC1 IC2 IF (IC1 E0 1 AND IC2 E0 2) GO TO 280 CALL EV2 (NL IC1 IC2)		22-NOV-88 06:53
	READ (LUN 1040 END=900) ILVEC(I NL) READ (LUN 1020 END=900) IC EXT NHO2 READ (LUN 1040 END=900) TLVEC(I NL) 220 CONTINUE 240 READ (LUN 1040 END=900) IC1 IC2 IE(IC1 EQ 1 AND IC2 EQ 2) GO TO 280 CALL EV2 (NL IC1 IC2) CALL EL2 (EL2 (EL2 (EL2 (EL2 (EL2 (EL2 (EL		22-NOV-88 06:53
7.37	READ (LUN, 1040 END=900) ILVEC(I, NL) READ (LUN, 1050 END=900) IC TEXT MMO2 READ (LUN, 1050 END=900) TLVEC(I, NL) 200 CONTINUE 240 READ (LUN, 1040 END=900) IC1, IC2 IF (IC 101 AND IC2 EQ 2) GO TO 280 CALL EV2 (NL) IC1, IC2) CALL EV2 (NL) IC1, IC2) CALL EL2 ('E, IC2) CALL EL2 ('		22-NOV-88 06 53
7.17	READ (LUN, 1040 END=900) ILVEC(I, NL) READ (LUN, 1020 END=900) IC TEXT NMTO2 READ (LUN, 1040 END=900) TLVEC(I, NL) 220 CONTINUE 240 READ (LUN, 1040 END=900) IC1, IC2 IF [CI Eq. 1 AND IC2 Eq. 2) GO TO 280 CALL EV2 (NL, IC1, IC2) CALL EV2 (NL, IC1, IC2) CALL EL2 (F) THE LAST RECORD OF THE LTH CRM. SEQUENCE NUMBER \$1, IS 250 RETURN 1020 FORMAT(IX, 212, I10) 1040 FORMAT(IX, 212, I10) ENTRY LMPFRV (IC, IEXT NMTO3, NLD) INTY LMPFRV (IC, IEXT NMTO3, NLD)		22-NOV-88 06:53
c c	READ (LUN, 1040, END=900) ILVEC(I, NL) READ (LUN, 1020, END=900) IC TEXT NHD2 READ (LUN, 1040, END=900) TLVEC(I, NL) 220 CONTINUE 240 READ (LUN, 1040, END=900) IC1 IC2 IRCITICTION I AND IC2 EQ 2) GO TO 280 CALL EV2 (NL, IC1, IC2) CALL EV2 (NL, IC1, IC2) (THE LAST RECORD OF THE LTH CRM, SEQUENCE NUMBER \$I, IS' 260 RETURN (1X, 212, I10) 1020 FORMAT (1X, 212, I10) 1040 FORMAT (1X, 217) ENTRY LIMPERV (IC, IEXT NHD3, NLD) INTY = 3 READ (LUN, 1000, END=900) (PFL(J, NLD), J=1, NMD3) RETURN		22-NOV-88 06 53
c c	READ (LUN, 1040, END=900) ILVEC(I, NL) READ (LUN, 1020, END=900) IC TEXT NHD2 READ (LUN, 1040, END=900) TLVEC(I, NL) 220 CONTINUE 240 READ (LUN, 1040, END=900) IC1 IC2 IRCITICTION I AND IC2 EQ 2) GO TO 280 CALL EV2 (NL, IC1, IC2) CALL EV2 (NL, IC1, IC2) (THE LAST RECORD OF THE LTH CRM, SEQUENCE NUMBER \$I, IS' 260 RETURN (1X, 212, 110) 1020 FORMAT (1X, 212, 110) 1040 FORMAT (1X, 217) ENTRY LIMPERV (IC, IEXT NHD3, NLD) INTY = 3 READ (LUN, 1000, END=900) (PFL(J, NLD), J=1, NMD3) RETURN		22-NOV-88 06:53
c.	READ (LUN 1040 END=900) ILVEC(I NL) READ (LUN 1020 END=900) IC TEXT NND2 READ (LUN 1040 END=900) TLVEC(I NL) 220 CONTINUE 240 READ (LUN 1040 END=900) IC1 IC2 GRAD (LUN 1040 END=900) IC1 IC2 CALL EV2 (NL IC1, IC2) CALL EV2 (NL IC1, IC2) CALL EV2 (NL IC1, IC2) CALL EV2 (NL IC1, IC2) THE LAST RECORD OF THE LTH CRM SEQUENCE NUMBER SI, IS' 260 RETURN 1020 FORMAT (1X, 212, 110) ENTRY LMPFRV (IC, IEXT NMD3, NLD) INTY=3 READ (LUN 1000 END=900) (PFL(J NLD), J=1, NMD3) RETURN 900 CALL EV1 (IENTRY) CALL EV1 (IENTRY) CALL EL1 ('E', 'READIT ENTRY SI, UNEXPECTED END OF FILE ') RETURN RETURN		22-NOV-88 06:53
c.	READ (LUN 1040 END=900) ILVEC(I NL) READ (LUN 1020 END=900) IC TEXT NMD2 READ (LUN 1040 END=900) TUVEC(I NL) 240 READ (LUN 1040 END=900) IC 1 IC 2 240 READ (LUN 1040 END=900) IC 1 IC 2		22-NOV-88 06 53
c c	READ (LUN 1040 END=900) ILVEC(I NL) READ (LUN 1020 END=900) IC TEXT NMD2 READ (LUN 1040 END=900) TLVEC(I NL) 220 CONTINUE 240 READ (LUN, 1040 END=900) IC1, IC2 IE (IC1 EQ 1 AND IC2 EQ 2) GO TO 280 CALL EV2 (NL IC1, IC2) CALL EL2 (E) THE LAST RECORD OF THE LTH CRM, SEQUENCE NUMBER \$I, IS' 260 RETURN 1020 FORMAT(IX, 212, 110) 1040 FORMAT (IX, 217) ENTRY LMPFRV (IC, IEXT NMD3, NLD) INTY*3 READ (LUN, 1000 END=900) (PFL(J NLD), J=1, NMD3) RETURN 2900 CALL EV1 (IENTRY) CALL EL1 (E), READIT ENTRY \$I, UNEXPECTED END OF FILE ') CALL EROR RETURN END DECK TESTRA SUBROUTINE TO TEST *PRA* PROGRAM		22-NOV-88 06:53
c.	READ (LUN 1040 END=900) ILVEC(I NL) READ (LUN 1020 END=900) IC TEXT NMD2 READ (LUN 1040 END=900) TLVEC(I NL) 220 CONTINUE 240 READ (LUN, 1040 END=900) IC1, IC2 IE (IC1 EQ 1 AND IC2 EQ 2) GO TO 280 CALL EV2 (NL IC1, IC2) CALL EL2 (E) THE LAST RECORD OF THE LTH CRM, SEQUENCE NUMBER \$I, IS' 260 RETURN 1020 FORMAT(IX, 212, 110) 1040 FORMAT (IX, 217) ENTRY LMPFRV (IC, IEXT NMD3, NLD) INTY*3 READ (LUN, 1000 END=900) (PFL(J NLD), J=1, NMD3) RETURN 2900 CALL EV1 (IENTRY) CALL EL1 (E), READIT ENTRY \$I, UNEXPECTED END OF FILE ') CALL EROR RETURN END DECK TESTRA SUBROUTINE TO TEST *PRA* PROGRAM		22-NOV-88 06 53
c c	READ (LUN 1040 END=900) ILVEC(I NL) READ (LUN 1020 END=900) IC FXT NMD2 READ (LUN 1040 END=900) TLVEC(I NL) 220 CONTINUE 240 READ (LUN 1040 END=900) IC1 IC2 IR (IC1 EQ 1 AND IC2 EQ 2) GO TO 280 CALL EV2 (NL IC1 IC2) CALL EL2 (E AST RECORD OF THE LTH CRM SEQUENCE NUMBER SI, IS' 260 RETURN 1020 FORMAT(IX 212 I10) ENTRY LMPFRV (IC IEXT NMD3 NLD) INTY*3 READ (LUN 1000 END=900) (PFL(J NLD) J=1 NMD3) RETURN 900 CALL EV1 (IENTRY) CALL EL1 'E' READIT ENTRY SI, UNEXPECTED END OF FILE ') CALL EL1 'E' READIT ENTRY SI, UNEXPECTED END OF FILE ') CALL ELT STRA SUBROUTINE TESTRA SUBROUTINE TO TEST **PRA** PROGRAM IMPLICIT DOUBLE PRECISION (A-M.O-Z) COMMON /CONSTS/ IP NSTEP SAMP(500) ILVEC(103 10) TLVEC(103 10), GF(500 200), FT(2 200), GR(100000)		22-NOV-88 06 53
c c	READ (LUN 1040 END=900) ILVEC(I NL) READ (LUN 1020 END=900) IC FXT NMD2 READ (LUN 1040 END=900) TLVEC(I NL) 220 CONTINUE 240 READ (LUN 1040 END=900) IC1 IC2 IE(IC1 EQ 1 AND IC2 EQ 2) GO TO 280 CALL EV2 (NL IC1 IC2) CALL EL2 (E AST RECORD OF THE LTH CRM SEQUENCE NUMBER SI, IS' 260 RETURN 1020 FORMAT(IX 212 I10) 1040 FORMAT (IX 212 I10) ENTRY LMPFRV (IC IEXT NMD3 NLD) INRTY=3 READ (LUN 1000 END=900) (PFL(J NLD) J=1 NMD3) RETURN 900 CALL EV1 (IENTRY) CALL EL1 'E' READIT ENTRY SI, UNEXPECTED END OF FILE ') CALL ERNOR RETURN END DECK TESTRA SUBROUTINE TESTRA		22-NOV-88 06:53
c c	READ (LUN 1040 END=900) ILVEC(I NL) READ (LUN 1020 END=900) IC FXT NMD2 READ (LUN 1040 END=900) TLVEC(I NL) 220 CONTINUE 240 READ (LUN 1040 END=900) IC1 IC2 ICI EQ 1 AND IC2 EQ 2) GO TO 280 CALL EV2 (NL IC1 IC2) CALL EL2 (EL2 (EL2 (EL2 (EL2 (EL2 (EL2 (EL		22-NOV-88 06 53
c c	READ (LUN, 1040 END=900) ILVEC(I, NL) READ (LUN, 1020 END=900) IC TEXT NND2 READ (LUN, 1040 END=900) TLVEC(I, NL) 220 CONTINUE 240 READ (LUN, 1040 END=900) IC 1, IC2 READ (LUN, 1040 END=900) IC 1, IC2 CALL EV2 (NL, IC1, IC2) CALL EV2 (NL, IC1, IC2) CALL EV2 (NL, IC1, IC2) CALL EV2 (NL, IC1, IC2) CALL EV3 (NL, IC1, IC2) CALL EV3 (NL, IC1, IC2) CALL EV3 (NL, IC1, IC2) CALL EV3 (NL, IC1, IC2) ENTRY LMPFRV (IC, IEXT NMD3, NLD) INTY = 1020 FRMAT (1X, 212, I10) ENTRY LMPFRV (IC, IEXT NMD3, NLD) INTY = 1020 FRMAT (1X, 212, I10) ENTRY LMPFRV (IC, IEXT NMD3, NLD) INTY = 1020 FRMAT (1X, 212, I10) CALL EV1 (IENTRY) CALL EV1 (IENTRY) CALL EDBOR RETURN END DECK TESTRA SUBROUTINE TO TEST **PRA** PROGRAM IMPLICIT DOUBLE PRECISION (A-H, 0-Z) COMMON /CONSTS / IP NSTEPS COMMON /CONSTS / IP NSTEPS COMMON /ARRYS / WN (500 200), FT (2, 200), GR (100000) COMMON /IO / I1X, IOUT 31 STEPS AT 1 DAMPING OF A COSINE LOAD WITH PERIOD 2 0 IP=5 DOS* 10+00		22-NOV-88 06 53
G *□ 0000 G 0000	READ (LUN, 1040 END=900) ILVEC(I, NL) READ (LUN, 1020 END=900) IC TEXT NHO2 READ (LUN, 1040 END=900) TLVEC(I, NL) 220 CONTINUE 240 READ (LUN, 1040 END=900) IC1 IC2 READ (LUN, 1040 END=900) IC1 IC2 READ (LUN, 1040 END=900) IC1 IC2 CALL EV2 (NL, IC1, IC2) CALL EV2 (NL, IC1, IC2) CALL EV3 (NL, IC1, IC2) THE LAST RECORD OF THE LTH CRM, SEQUENCE NUMBER SI, IS' 260 RETURN 1020 FORMAT (1X, 212, 110) ENTRY LMPRRV (IC, IEXT NWD3, NLD) INTY=3 READ (LUN, 1000 END=900) (PFL(J, NLD), J=1, NWD3) RETURN 900 CALL EV1 (IENTRY) CALL EV1 (IENTRY) CALL EV1 (IENTRY) CALL EV1 (IENTRY) CALL EV3 (IENTRY) CALL EV4 (SEXTAN ENDER OF A SEXTAN ENDOWN RETURN DECK TESTRA SUBROUTINE TO TEST **PRA** PROGRAM 1		22-NOV-88 06 53
Ċ	READ (LUN, 1040 END=900) ILVEC(I, NL) READ (LUN, 1020 END=900) IC TEXT NHO2 READ (LUN, 1040 END=900) TLVEC(I, NL) 220 CONTINUE 240 READ (LUN, 1040 END=900) IC1 IC2 READ (LUN, 1040 END=900) IC1 IC2 READ (LUN, 1040 END=900) IC1 IC2 CALL EV2 (NL, IC1, IC2) CALL EV2 (NL, IC1, IC2) CALL EV3 (NL, IC1, IC2) THE LAST RECORD OF THE LTH CRM, SEQUENCE NUMBER SI, IS' 260 RETURN (1X, 212, I10) 260 RETURN (1X, 212, I10) 270 FORMAT (1X, 212, I10) ENTRY LIMPERV (IC, IEXT NWD3, NLD) INTY=3 READ (LUN, 1000 END=900) (PFL(J NLD), J=1, NWD3) RETURN 900 CALL EV1 (IENTRY) CALL EV1 (IENTRY) CALL EV1 (IENTRY) CALL EV3 (IENTRY) CALL EV4 (SECONDO END=900) (PFL(J NLD), J=1, NWD3) RETURN END RETURN END RETURN END RETURN END COMMON / CONSTS / IP NSTEPS COMMON / CONSTS / IP NSTEPS COMMON / CONSTS / IP NSTEPS COMMON / ARRYS / WN(500) DAMP(500) ILVEC(103, 10), TLVEC(103, 10), GF(500, 200), FT(2, 200), GR(100000) COMMON / IO / IIX, IOUT 31 STEPS AT 1 DAMPING OF A COSINE LOAD WITH PERIOD 2 0 IP=5 DO= 10+00 UNITEPS=31 T=2.00+00		22-NOV-88 06:53
0 × 0 0000 0 00000 0 00000 0 00000 0 00000 0	READ (LUN, 1040 END=900) ILVEC(I, NL) READ (LUN, 1020 END=900) IC TEXT NHO2 READ (LUN, 1040 END=900) TLVEC(I, NL) 220 CONTINUE 240 READ (LUN, 1040 END=900) IC1 IC2 READ (LUN, 1040 END=900) IC1 IC2 READ (LUN, 1040 END=900) IC1 IC2 CALL EV2 (NL, IC1, IC2) CALL EV2 (NL, IC1, IC2) CALL EV3 (NL, IC1, IC2) THE LAST RECORD OF THE LTH CRM, SEQUENCE NUMBER SI, IS' 260 RETURN (1X, 212, I10) 260 RETURN (1X, 212, I10) 270 FORMAT (1X, 212, I10) ENTRY LIMPERV (IC, IEXT NWD3, NLD) INTY=3 READ (LUN, 1000 END=900) (PFL(J NLD), J=1, NWD3) RETURN 900 CALL EV1 (IENTRY) CALL EV1 (IENTRY) CALL EV1 (IENTRY) CALL EV3 (IENTRY) CALL EV4 (SECONDO END=900) (PFL(J NLD), J=1, NWD3) RETURN END RETURN END RETURN END RETURN END COMMON / CONSTS / IP NSTEPS COMMON / CONSTS / IP NSTEPS COMMON / CONSTS / IP NSTEPS COMMON / ARRYS / WN(500) DAMP(500) ILVEC(103, 10), TLVEC(103, 10), GF(500, 200), FT(2, 200), GR(100000) COMMON / IO / IIX, IOUT 31 STEPS AT 1 DAMPING OF A COSINE LOAD WITH PERIOD 2 0 IP=5 DO= 10+00 UNITEPS=31 T=2.00+00		22-NOV-88 06 53
c *** occ o	READ (LUN 1040 END=900) ILVEC(I NL) READ (LUN 1020 END=900) IC TEXT ND2 READ (LUN 1040 END=900) ILVEC(I NL) 220 CONTINUE 240 READ (LUN 1040 END=900) IC 1 IC 1 IC2 IF [IC] EQ 1 AND IC2 EQ 2) RD TO 260 CALL EL2 (LE) (LIC1 IC2) CALL EL2 (LE) (LIC1 IC2) CALL EL2 (LE) (LIC1 IC2) CALL EL2 (LE) (LIC1 IC2) CALL EL2 (LIC1 IC2) CALL EL2 (LIC1 IC2) CALL EL3 (LIC1 IC2) CALL EL3 (LIC1 IC2) CALL EL4 (LIC1 IC2) CALL EL4 (LIC1 IC2) CALL END (LUN 1000 END=900) (PFL(J NLD), J=1,NMD3) RETURN 900 CALL EV1 (IENTRY) CALL ERROR RETURN DECK TESTRA SUBROUTINE TO TEST **PRA** PROGRAM IMPLICIT DOUBLE PRECISION (A-H.D-Z) COMMON /CONSTS/ IN NSTEPS COMMON /ARRYS/ IN NSTEPS COMMON /ARRYS/ IN NSTEPS COMMON /ARRYS/ IN NSTEPS COMMON /IO/ I1X, IOUT 31 STEPS AT 1 DAMPING OF A COSINE LOAD WITH PERIOD 2 O IP=5 DO= 1D+00 NSTEPS=31 T=2 00+00 DO 40 N=1 IP DAMP(N)=00 RN=FLORI(N) IF (N. EQ. 5) RN=10 OD+00=RN		22-NOV-88 06 53
c *** occ o	READ (LUN, 1040 END=900) ILVEC(I, NL) READ (LUN, 1020 END=900) IC TEXT NHO2 READ (LUN, 1040 END=900) TLVEC(I, NL) 220 CONTINUE 240 READ (LUN, 1040 END=900) IC1 IC2 READ (LUN, 1040 END=900) IC1 IC2 READ (LUN, 1040 END=900) IC1 IC2 CALL EV2 (NL, IC1, IC2) CALL EV2 (NL, IC1, IC2) CALL EV3 (NL, IC1, IC2) THE LAST RECORD OF THE LTH CRM, SEQUENCE NUMBER SI, IS' 260 RETURN (1X, 212, I10) 260 RETURN (1X, 212, I10) 270 FORMAT (1X, 212, I10) ENTRY LIMPERV (IC, IEXT NWD3, NLD) INTY=3 READ (LUN, 1000 END=900) (PFL(J NLD), J=1, NWD3) RETURN 900 CALL EV1 (IENTRY) CALL EV1 (IENTRY) CALL EV1 (IENTRY) CALL EV3 (IENTRY) CALL EV4 (SECONDO END=900) (PFL(J NLD), J=1, NWD3) RETURN END RETURN END RETURN END RETURN END COMMON / CONSTS / IP NSTEPS COMMON / CONSTS / IP NSTEPS COMMON / CONSTS / IP NSTEPS COMMON / ARRYS / WN(500) DAMP(500) ILVEC(103, 10), TLVEC(103, 10), GF(500, 200), FT(2, 200), GR(100000) COMMON / IO / IIX, IOUT 31 STEPS AT 1 DAMPING OF A COSINE LOAD WITH PERIOD 2 0 IP=5 DO= 10+00 UNITEPS=31 T=2.00+00		22-NOV-88 06:53

	URCE FOR; 1 Directory SAM_DISK [FONG SSME SOLVE PRA]		22-NOV-88 06 53 Page
991 992 993 994	DT=T/(NSTEPS-1) T=0 00+00 D0 80 NS=1 NSTEPS FT(1,NS)=1 FT(2,NS)=0 00+00 CSMT=CNS(W+T) D0 80 N=1 TP GF(N,NS)=0F(N,NS)+CSWT T=T+DT T=T+DT 80 CONTINUE D0 100 N=1 TP GF(N,NSTEPS)=GF(N,1) 100 CONTINUE C		
996	ਪੁਰੂ ਬਾਹ ਬੜਾ 1 ਸਨ।ਵਸਤ F1(1,NS)=1 F1(2,NS)=0,00+00		
996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1006 1008	CSMT=COS(WaT) DO BO N=1 IP		
999 1000	GF(N,NS)#GF(N,NS)#CSWT 60 CONTINUE Terat		
1001 1002	80 CONTINUE DO 100 N=1 JP		
1003 1004	GF(N,NSTEPS)=GF(N,1) 100 CONTINUE		
1006 1007	C EVALUATE PERIODIC RESPONSE.		
1008	CALL PRESPA (WN DAMP OF FT OR NSTEPS IP NSTEPS)		
1010 1011 1012	C OUTPUT GENERALIZED RESPONSE AND TIMES.		!
1012 1013 1014	WRITE (10UT 2000) DO W HRITE (10UT 2020) (1 1=1 1P) WRITE (10UT 2040) (WN(U) U=1 1P)		1
1015 1016 1017	WRITE (IOUT 2040) (WN(U) U=1 IP)		
1018 1019	DO 120 N=1 NSTEPS WRITE (IOUT 2000) N ET(< N) (OD(T) T=TL TU)		
1020 1021	THE THE ID		
1023	C RETURN		
1025 1026			
1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1029 1031	2000 FORMAT (1) DAMPING = 1 19E11 3 / 1X / 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
1030 1031	2000 FORMAT ('1DAMPING =' 1PE11 3 / 1X, / WF =' 1PE11 3 / 1X, / YEF =' 1PE11 3 / YEF ='	•	
1032	ENO		
	<u> </u>		
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Appendix G
DYNAMIC ANALYSIS POST-PROCESSING
RUNSTREAMS

* Send 2 1 VAX/VMS 4 7			22-NOV-88 06:52 Page
	TABLE of C	DATENTS	
			,
	Directory: [FONG.SSME.IMP.OUT		
	File Type Version DCYC JDB 1 VAR1 JOB 1 TIME JOB 1	Date Time 14-NOV-1988 11:28:10 14-NOV-1988 11:27:33 22-NOV-1988 06:51:00	
	11ME 008 1	22-109-1968 00:51:00	
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	G-1		

* DCYC JOB; 1 Directory SAM_DISK [FONG SSME IMP OUT]	22-NOV-88 06 52 Pm
# USER*fong PW=mingsf1 # QSUB - Im 1000000 # QSUB - Im 10000000	
# USER*fong PW*mingsf1 # OSUB - IM 1000000W # QSUB - IM 1000000W # QSUB - IT 60 # QSUB - P DCYC # OSUB - S /bin/sh	· ·
mkd in /usr/tmp/\$LOGNAME\$\$	
da / dsr/tmp/stugnamess fetch FiL002 -t /DISKL: [CAT]IMPD03 FL2' -f TR fetch FiL003 -t /DISKL: [CAT]IMPD1 FL2' -f TR fetch FiL004 -t /DISKL: [CAT]IMPD2 FL2' -f TR fetch FIL005 -t /DISKL: [CAT]IMPD2 FL2' -f TR fetch FIL005 -t /DISKB: [MURPHY CEXL3DX]SCOPE UEX' -f TR chmod +x SCOPEX cat > data << \! S SCOPEX PROCESSOR	
fetch Fil004 -t /DISKL: CATIMPD2 FL2/ -f TR fetch Fil005 -t /DISKL: CATIMPLE FL2-0/ -f TR	
chmod +x SCOPEX cat > data << \!	
cat > data << \! \$ SCOPEX PROCESSOR START OFF PRIN SUMM	
COPY TIME RV O O [5]	
SET SYNTAX ON DO 10 81=1,73	
DSET [2]D 0 &I 11 # SYMMETRY-ANTISYMMETRY DSET [3]D 0 &I 21 # 1ST DEGEMERATE COSINE-SINE DSET [4]D 0 &I 31 # 2ND DEGEMERATE COSINE-SINE DPRINT 9 11 12 13 21 22 23 31 32 33 NOCE 4880 11948	
DCYCL 1 1 6 3 11 21 31 # FIRST SEGMENT - X DCYCL 2 1 6 3 12 22 32 # FIRST SEGMENT - Y DCYCL 3 1 6 3 13 23 33 # FIRST SEGMENT - Z DCYCL 3 1 6 3 13 23 33 # FIRST SEGMENT - Z DPRINT 3 1 2 3 NODE 4880 11948 DCOPY [5]D1 0 8I	
DPRINT 3 1 2 3 NODE 4880 11948 "FIRST SEGMENT - Z DCOPY [5]D1 0 81	
SET SYNTAX OFF	
TOC	
STOP SCOPEX < data dispose FIL005 -t 'DISK6 [FONG]IMPLLR FL2' -f TR	
i cd	
rm -r \$LOGNAME\$\$	1 61111
G-2	

* VAR1_UOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	
# USER=fong PW=mingsf1 # OSUB - IM 15000000 # OSUB - IM 15000000 # OSUB - IT 6500 # OSUB - IT 6500 # OSUB - IT 6500 # OSUB - VAR1 # OSUB - VAR1 # OSUB - S /bin/sh	22-NOV-88 06 52
# QSUB -1T 6500 # QSUB -q deferred	
OSUB -s /bin/sh	
mkdir /usr/tmp/\$LOGNAME\$\$ gd /usr/tmp/\$LOGNAME\$\$ ja	
COLVERTINOS CONAMESS ja fetch FIL002 -t 'DISK6: [FONG] IMPLLR FL2-1' -f TR fetch FIL003 -t 'DISK6: FONG] IMPLLR FL2-0' -f TR fetch SOLVE -t 'DIAL SUNICOS: SOLVE UEX' -f TR chmod +x SOLVE cat > data << \!	
chmod +x SOLVE pat > data << \!	
TART - 1 SSIGN ISEQ=1	
TMOD +X SDLVE at > data << \	
OLVE CONTINUE	
DLVE < data stch SCOPEX - + 'DISKB [MURPHY CEXL3DX]SCOPE UEX' - f TR mmod +x SCOPEX at > data << \!	
nmod +x SCOPEX at > data < \! SCOPEX PROCESSOR TART -1	
TART -1 DPY TIME.RV 0 0 [3]	
RINT OFF PRIN LIST SYNTAX ON	
D :LOOP &I=1 73 1	
SET \$1 0 &1 ROMS 1 21 SO 0 MESH=1T21 COPY [3]DEFF.NV 0 &1 1 1 RINT 1 MESH=1T21	
COPY [3]DEFF NV O &I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
LOOP CONTINUE	
COPEX < data spose FILO03 -t 'DISK6: [FONG]IMPLLR FL2-2' -f TR spose FILO02 -t 'DISKL: [FONG]IMPLLR FL2-2S' -f TR	
ISPOSE FILOUS -t 'DISK6: FONG IMPLIR FL2-2' -f TR	
3 -S	
3 -S	
a -s	
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52 F
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52 F
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52 F
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52 F
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06:52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06:52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06:52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06:52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52
VART JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT] -r. SLOGNAMESS	22-NOV-88 06 52
VAR1 JOB; 1 Directory SAM_DISK: [FONG.SSME.IMP.OUT]	22-NOV-88 06 52 P

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* TIME.JOB; 1 Directory SAM_DISK:[FONG.SSME_IMP.OUT]	22-NOV-88 06:52 P
# USER=fong PW=mingsf1 # USUB - IM 1000000	
# USER=fong PW=mingsf1 # USUB - IM 10000000 # QSUB - Im 10000000 # QSUB - IT 30 # QSUB - TIME # QSUB -s /bin/sh	
# QSUB -s /bin/sh	
set -x mkdir /usr/tmp/\$LOGNAME\$\$ cd /usr/tmp/\$LOGNAME\$\$ ja	
ia fetch FILO02 -+ 'DISKL [FONG]IMPLLR-DEFF2 FL2' -f TR fetch SCOPE -+ 'DIAL\$UNICOS: SCOPE UEX' -f TR chmod +x SCOPE gata << \!	
SCOPE \$ SCOPE \$ START 500000	
START 500000 Set syntax on :101 format '(' Error - Reduced vector file not found - if *' iE)	
set syntax on :101 format '/' Error - Reduced vector file not found - if =' i5) :102 format '/' Error - System vector file not found - if =', i5) :104 format '/' Error - System vector file not found - if =', i5) :105 if & if = ', i5 105 if & if + 1, jerr], +1	
if & if t + 1, jerr1 + 1 let & if t = 1	
let &ifn = %if1("DEFF.NV",0,&i) if &ifn +1 ;err2 +1 let &t = %the1(&tf+ &i)	
let &dum = %afm(&ifn,2,&t) ;10 continue	
goto ;unik _erri continue write 6 ;101 & ift goto ;end ;err2 continue	
goto end enro continue write 6, 192 &ift	
unik continue let &dum = %rfm(&ift 1 0 &lft)	
end continue set syntax off STOP	
SCOPE < data dispose FIL002 -t 'DISK6:[FONG]IMPLLR-DEFF2.FL2' -f TR	
cq · · · · · · · · · · · · · · · · · · ·	
rm -r \$LOGNAME\$\$	
0.4	
G-4	

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XEROX EPS XEROX EPS XEROX EPS XEROX EPS XEROX EPS XEROX EPS XEROX XEROX EPS XEROX EPS XEROX EPS XEROX EPS XEROX EPS XEROX EPS XEROX EPS XEROX XEROX EPS XEROX EPS XEROX EPS XEROX EPS XEROX EPS XEROX XEROX EPS XEROX EPS XEROX EPS XEROX EPS XEROX EPS XEROX EPS

DATE:

22 NOV 88 AT 08:56:23

DEPARTMENT: CRAY*

JOB ID:

188

REPORT NO. 10

FILE ID:

INPUT PROCESSING TIME:

00:00:06

OUTPUT PROCESSING TIME: 00:00:11

REPORT COMPLETION CODE:

PAGES TO BIN:

PAGES TO TRAY:

PAPER PATH HOLES:

0

LINES PRINTED:

239

TAPE MOUNTS:

BLOCKS READ:

BLOCKS SKIPPED:

RECORDS READ:

212

DJDE RECORDS READ:

MAXIMUM COPY COUNT:

OVERPRINTS:

COLLATE:

YES

SF/MF:

MULTI

SIMPLEX/DUPLEX:

DUPLEX

JDE, JDL USED:

QL, V

ACCTINFO:

FONG

INITIAL FONT LIST:

QLAND

INITIAL FORM LIST:

LQUAD

(DJDE MODIFIED)

INITIAL CME LIST:

-NONE